JVC

SERVICE MANUAL

MODEL

RC-727L/LB

FM-SW-MW-LW
4-BAND RADIO
STEREO CASSETTE
RECORDER

No. 1345
November 1977

Contents

	Page
Specifications	2
Main Parts Location	3
Disassembly & Replacement	4,5
Tuner Alignment	6,7
Adjusting Recording Bias	8
Adjusting Head Azimuth	8
How to Fit Dial Cord	9
Block Diagram	10
Wiring Connection	11
Schematic Diagram of RC-727L/LB (Tuner)	12
Schematic Diagram of RC-727L (Amplifier)	13
Tuner Circuit Board Ass'y	14,15
Amplifier Circuit Board Ass'y	16,17
Exploded View of Cassette Mechanism	18
List of Cassette Mechanism	19
Control Circuit Board Ass'y	20
Recording Level Circuit Board Ass'y	21
Headphone Circuit Board Ass'y	22
LED Circuit Board Ass'y	22
Exploded View of Power Supply Ass'y	23
Exploded View of Chassis Ass'y	24,25
Exploded View of Front Cabinet	26,27
Exploded View of Rear Cabinet	28
Final Packing Ass'y	29
Accessories	29
Difference of Model RC-727LB	30,31

Specifications

DIMENSIONS: 26.0cm(H) x 44.6cm(W) x 12.4cm(D)
10-1/4" x 17-5/8" x 4-7/8"

WEIGHT: Approx. 5.7 kg (with batteries)
12.5 lbs.

TUNER SECTION

Frequency Ranges	:	FM 88~ 108MHz
		SW 6~ 18MHz
		MW 540~1600kHz
		LW 150~ 350kHz
Intermediate Frequencies	:	FM 10.7MHz
		SW/MW/LW 455kHz

RECORDER SECTION

Tape Speed	:	4.75cm/s (1-7/8 ips)
Track System	:	4-track 2-channel stereo
Recording System	:	AC Bias
Erasing System	:	AC Erasing
S/N Ratio	:	More than 46dB at 1kHz
Fast Forward Time	:	Within 100 sec. (C-60 cassette)
Rewinding Time	:	Within 100 sec. (C-60 cassette)
Wow & Flutter	:	0.1% (WRMS)

AMPLIFIER SECTION

Speakers	:	Woofer 12cm (5") x 2 4Ω
		Tweeter 5cm (2") x 2
Power Output	:	5.6W (2.8W + 2.8W) at 10% THD
		7W (3.5W + 3.5W) Max.
Input Jacks	:	MIC x 2 (0.5mV, low imp.)
Output Jacks	:	Ext. Speaker x 2 (4Ω)
	:	Headphones (8Ω)
Input/Output Jack	:	DIN
POWER CONSUMPTION	:	15W (RC-727L)
		14W (RC-727LB)

SEMICONDUCTORS

ICs	:	9
Transistors	:	11
Diodes	:	31

POWER SOURCE

DC	:	9V 6 "R20" or "U2" cells or equivalent
AC	:	110/220/240V, 50/60Hz

Main Parts Location

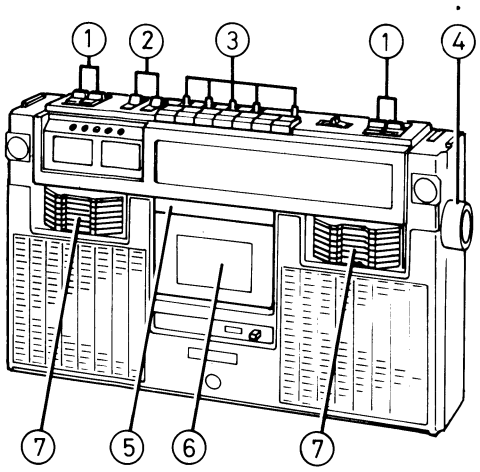


Fig. 1

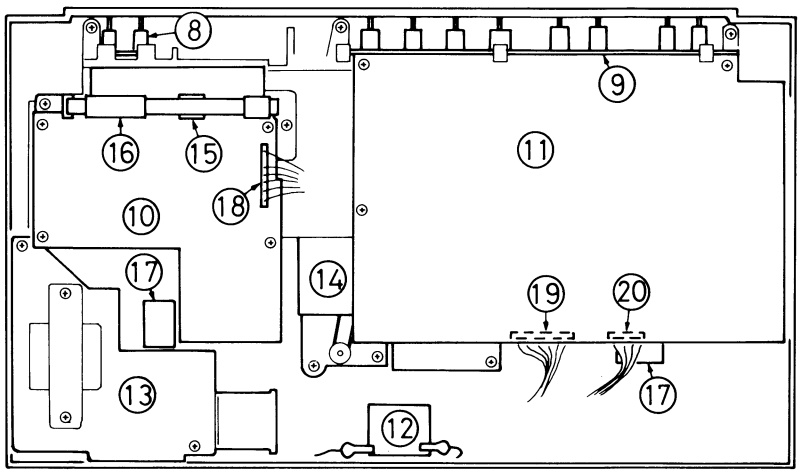


Fig. 2

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*VXS4005-001	Knob	VOLUME, REC LEVEL	4
2	*VXS4004-001	"	BASS & TREBLE	2
3	*V44979-001	"	Lever cap	5
4	*VXL4008-001	"	Tuning	1
5	*VJD3107-001	Head Cover		1
6	*VJT3009-00A	Cassette Case		1
7	*VJD3106-001	Cellular Frame		2
8	* ————	Circuit Board Ass'y	Recording Level	1
9	* ————	"	Control	1
10	* ————	"	Tuner	1
11	* ————	"	Amplifier	1
12	* ————	"	Headphone	1
13	* ————	Power Supply Ass'y		1
14	* ————	Cassette Mechanism Ass'y		1
15	*VYH3109-001	Bar Antenna Holder		1
16	VQB012B-006	Bar Antenna Ass'y	L10,11	1
17	EAS12P130S	Speaker	Woofer 12cm (5") 4Ω	2
18	QMC0659-001	Socket Ass'y	J401 (6-pin)	1
19	"	"	J402 (6-pin)	1
20	QMC0457-001	"	J408 (4-pin)	1

Note: 1. **Asterisked parts (*) show "NEW PARTS". Other parts are all "CURRENT PARTS"; therefore, check your inventory and order situation before placing new order to avoid making extra stock.**

2. **The circuit board assemblies, power supply assembly and whole assembly of cassette mechanism in this model will not be available as spare parts.**

Disassembly & Replacement

Rear Cabinet

1. Remove 6 screws (1)~(3) : SDSP3008RS and (4)~(6) : SDSB3020R.
2. Disconnect 3 connectors from rod antennas (White & Black) and the shield (Black).

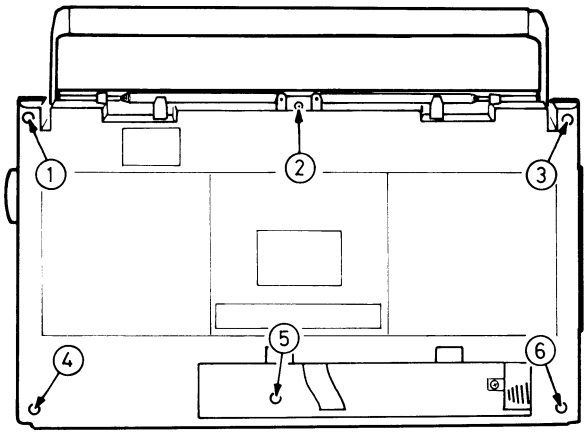


Fig. 3

Chassis Assembly

1. Take off the tuning, VOLUME, TONE and REC LEVEL control knobs.
2. Disconnect 6-pin (A) and 4-pin (B) connectors from the headphone circuit board.
3. Remove 6 screws (7) : SPSP3006CS and (8), (9), (11) & (12) : SBSB3014C, and (10) : SBSB3020C.

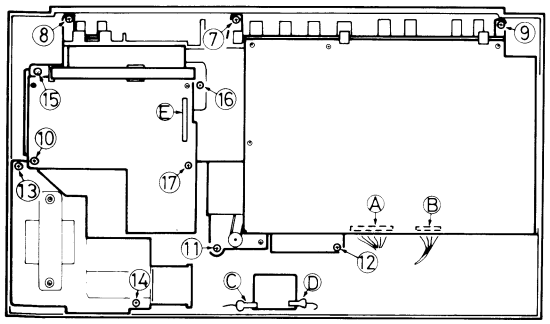


Fig. 4

Power Supply Section (Refer to Fig. 4)

1. Disconnect 2 connectors (C & D) to the headphone circuit board.
2. Remove 2 screws (13) & (14) : SBSB3014C.

Tuner Section

1. Take off the tuning knob.
2. Disconnect the 6-pin connector (E) from the amplifier circuit board.
3. Remove 3 screws (15) ~ (17) : SBSB3010C.

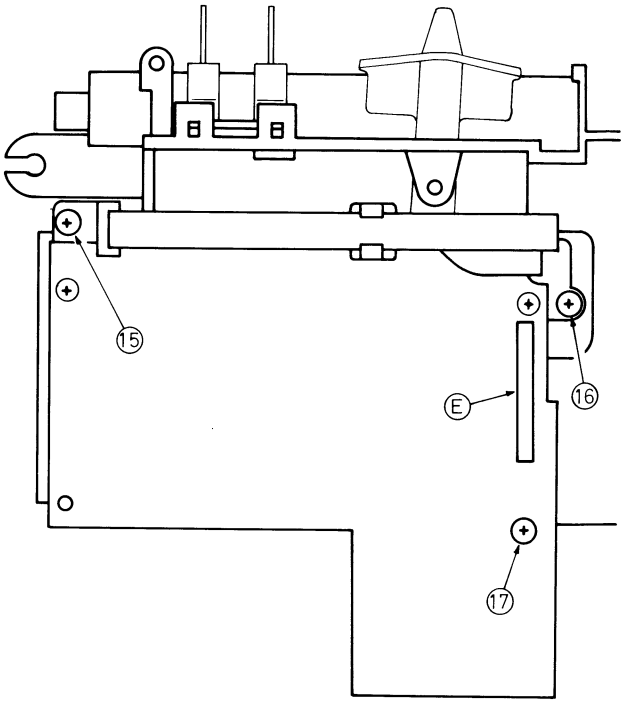


Fig. 5

Cassette Mechanism

1. Release the wires from the wire clamp (F).
2. Remove 3 screws (18) ~ (20): SBSB3012C after removing the dial scale.
3. Lift up the left side of cassette mechanism after lifting up the bottom (motor side), next slide it to the left then the mechanism can be removed.

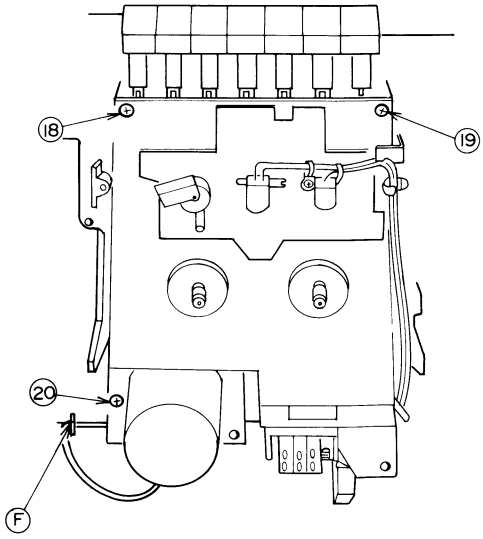


Fig. 6

Note: The control and amplifier circuit boards can be removed from the chassis if 36 parts are desoldered which are connecting both circuit boards.
The copper pattern may be damaged if desoldered sevral times.

Parts of Cassette Mechanism

Note: Reference numbers of Figs. 7 & 8 are the same as on Fig. 25.

A. Pinch Roller (51)
Remove the E-ring (19).

B. Play/Record Head (37)
Remove 2 screws (38) & (39).

Note: When replacing the head, it is permitted to solder the signal wires directly to the head terminals though the small printed circuit board is soldered to the terminals.

C. Erase Head (40)
Remove 2 screws (42).

D. Take-up & Supply Reel Disks (95)
Remove the E-ring (81) after detouching the belt (94) or (99).

E. Rewind Roller (71)
Remove the E-ring (81) after pressing the REVIEW button.

F. Idler Ass'y (52)
Remove the screw (57).

G. Forward Ass'y (64)
Remove the E-ring (19).

H. FAS Gear Box Ass'y (98)
Remove 2 screws (46) after detouching 2 belts (99) & (100).

I. Leaf Switch (85)
Remove the screw (87).

J. Flywheel Ass'y (66)
Remove the bracket (69) after loosening 2 screws (46).

Note: Be sure not to lose the nylon washer (68) as shown in Fig. 7.

K. Motor Ass'y (101)
Remove 3 screws (104) after detouching 2 belts (72) & (100).

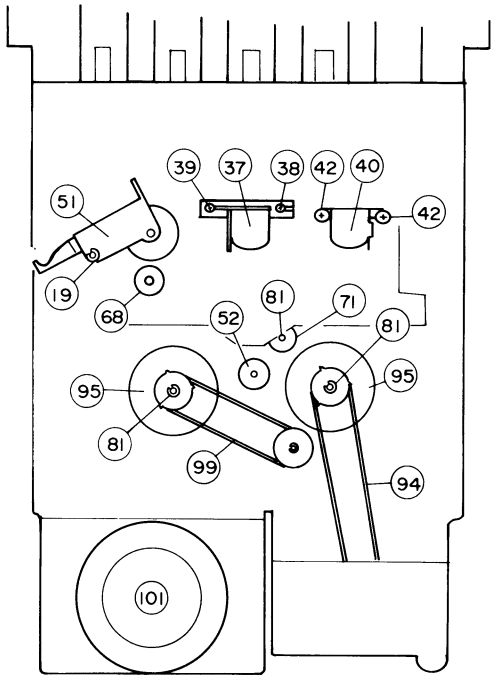


Fig. 7

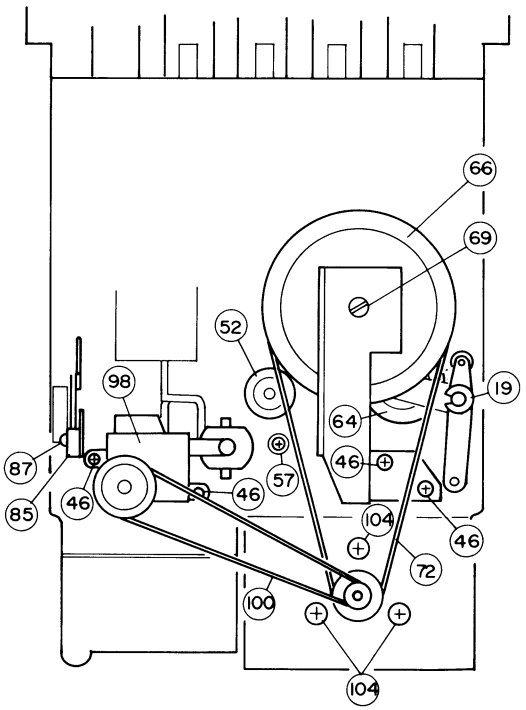


Fig. 8

Tuner Alignment

Output Measuring: Speaker terminal (Impedance =4Ω), output level 50mW (0.45V/4Ω)

AM IF & RF Alignment

Input (SSG) Modulation 400Hz, Modulated to 30%

Step	Frequency Band	Input Signal		Place to be aligned	Set the V. Capacitor to
		Frequency	Given to		
1	MW (IF)	455kHz	Loop Antenna	L15, 16, 17	Minimum
2		Repeat the Step 1, and adjust for no further improvement.			
3	LW	145kHz	Loop Antenna	L14	Maximum
4		360kHz		C10	Minimum
5		Repeat the Steps 3 & 4.			
6		160kHz	Loop Antenna	L11	160kHz Signal
7		350kHz		C8	350kHz Signal
8		Repeat the Steps 6 & 7, and adjust for no further improvement.			
9	MW	520kHz	Loop Antenna	L13	Maximum
10		1650kHz		C12	Minimum
11		Repeat the Steps 9 & 10.			
12		600kHz	Loop Antenna	L10	600kHz Signal
13		1400kHz		C7	1400kHz Signal
14		Repeat the Steps 12 & 13, and adjust for no further improvement.			
15	SW	5.8MHz	Rod Antenna through Dummy Antenna	L12	Maximum
16		18.6MHz		C11	Minimum
17		Repeat the Steps 15 & 16.			
18		6.0MHz	Rod Antenna through Dummy Antenna	L9	6.0MHz Signal
19		18.0MHz		C9	18.0MHz Signal
20		Repeat the Steps 18 & 19, and adjust for no further improvement.			

FM IF & Discriminator Alignment

1. Connect a sweep generator to the test pints TP5 (Hot) and TP2.
2. Connect a oscilloscope to the test points TP7 (Hot) and TP8.
3. Align the L20 so that the response of S-curve will change to a peak. (Refer to Figs. 9 & 10.)
4. Align the L7, 18, 19 & 23 so that the wave form will become maximum and symmetrical at the centre frequency.
5. Align the L19 & 20 so that the S-curve will become symmetrical and maximum. (Refer to Fig. 11.)

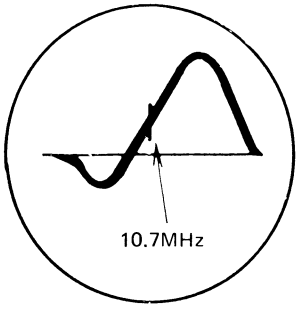


Fig. 9

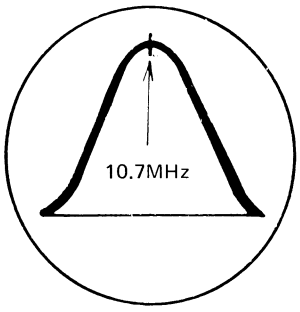


Fig. 10

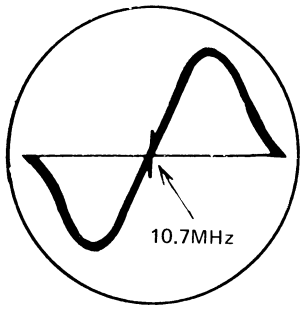


Fig. 11

FM RF Alignment

Input (SSG): Use 75Ω terminal, modulation 400Hz modulated to 22.5kHz deviation.
Connect Hot side to TP1 and Cold side to TP2.

Step	Frequency Band	Input Signal		Place to be aligned	Set the V. Capacitor to
		Frequency	Given to		
1	FM	87.5MHz	TP1 & TP2	L6	Maximum
2		109MHz		C6	Minimum
3		Repeat the Steps 1 & 2.			
4		90MHz	TP1 & TP2	L4	90MHz Signal
5		106MHz		C5	106MHz Signal
6		Repeat the Steps 4 & 5, and adjust for no furhter improvement.			

FM MPX Alignment

A. Regular Method

1. Connect a frequency counter to the test points TP6 (Hot) and TP8.
2. Connect the lead of R56 to the case of L19.
3. Adjust the variable resistor R48 so that the frequency becomes 19kHz ±100Hz.

B. Simplified Method

1. Tune to a FM stereo broadcast.
2. Set the variable resistor R48 to a center position of the range where the stereo indicator keeps lighting.

Tuning Meter Alignment

1. Set the METER switch to TUNE position.
2. Set the tuner in FM reception mode.
3. Apply the FM signal (98MHz, 60dB) to the test point TP1.
4. Adjust the L18 so that the pointer of tuning meter deflects maximumly.

Parts Arrangement for Alignment

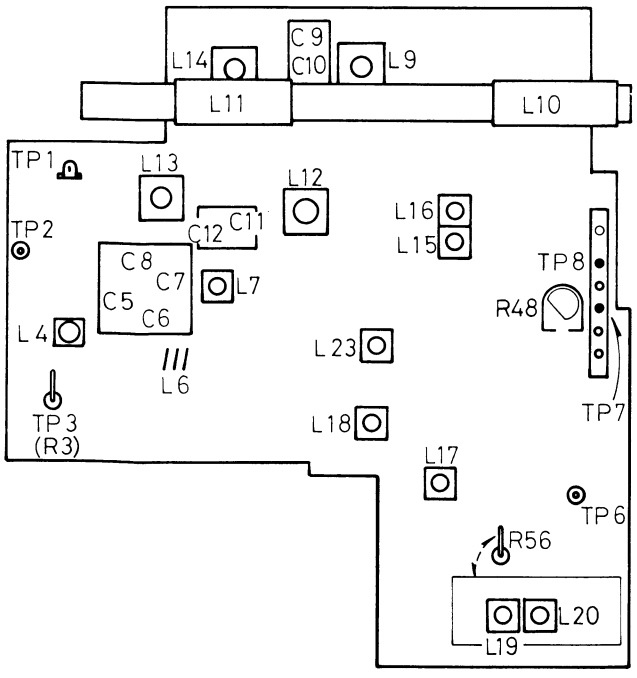
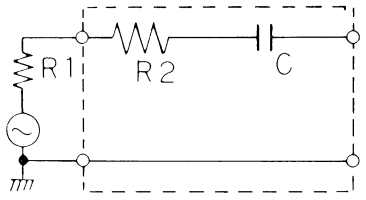


Fig. 12

Dummy Antenna



R1 + R2 = 80Ω
C = 10pF
R1: Output impedance of S.S.G.

Fig. 13

Adjusting Recording Bias

Bias Frequency

1. Connect a frequency counter across TP201 and TP301.
2. Set the BEAT CUT switch to lower position.
3. Adjust the oscillator coil L401 so that the counter indicates 69kHz.

Bias Current

1. Connect a V.T.V.M. across TP201 and TP301.
2. Adjust the variable resistor R261 (L) and R361 (R) so that the voltage becomes 4.5mV (450μA/10Ω).

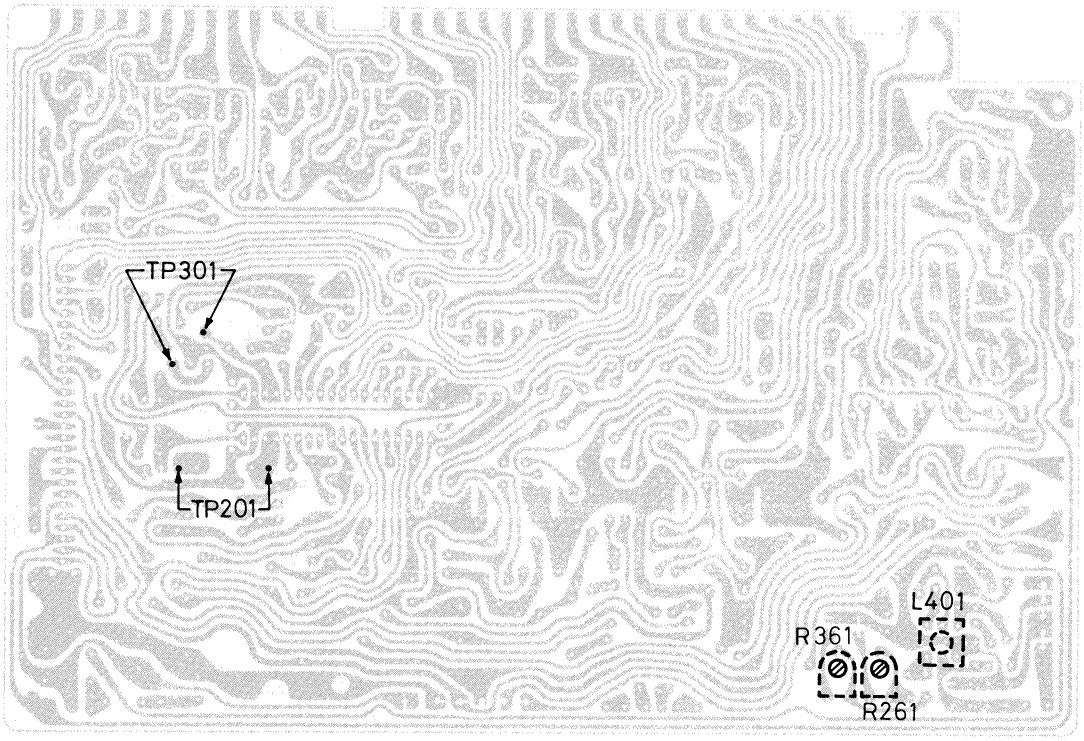


Fig. 14

Adjusting Head Azimuth

1. Connect a V.T.V.M. across the speaker terminal.
2. Set the MODE switch to MONO.
3. Playback the test cassette for azimuth adjustment.
4. Adjust the head angle for maximum output.
   Note: The output voltage shows three peaks while adjusting head angle as illustrated on the right, adjust for maximum peak.
5. Check that the output difference between MONO and STEREO is within 3dB.

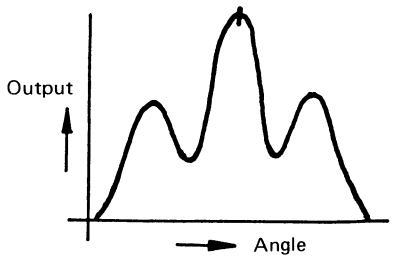


Fig. 15

How to Fit Dial Cord

1. Dial cord: ϕ0.6 x 785 mm (24 mil x 30-15/16")
2. Turn the dial drum fully clockwise.
3. Fit the cord in numerical order as shown in Fig. 16.
4. Engage the projection of arm which is mounted on the shaft of variable capacitor with the slot of lever which is positioned opposite side of dial drum as shown in Fig. 17.

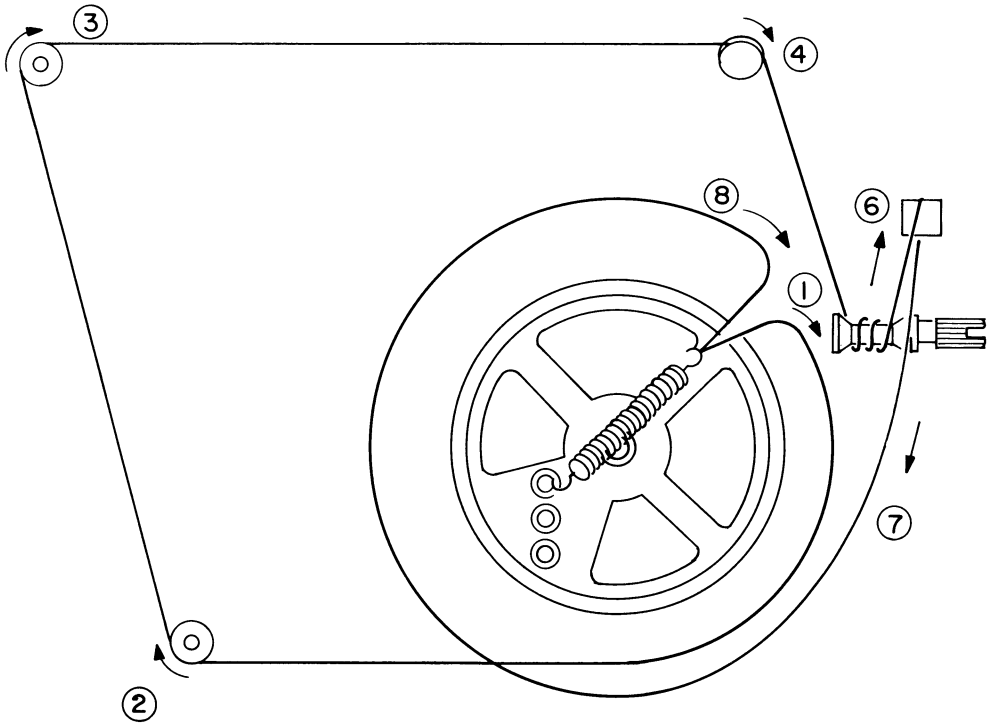


Fig. 16

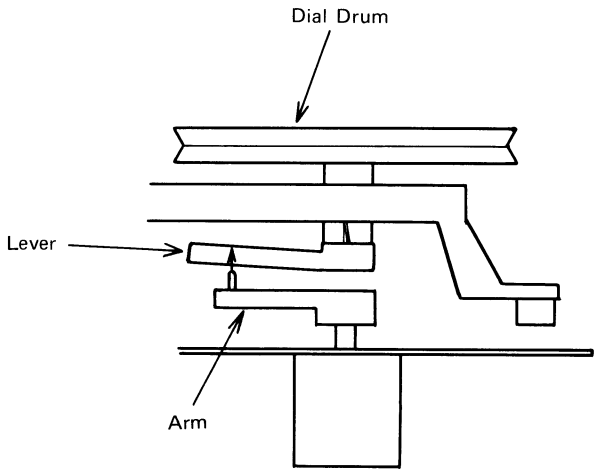


Fig. 17

Block Diagram

Playback & Radio Reception Mode

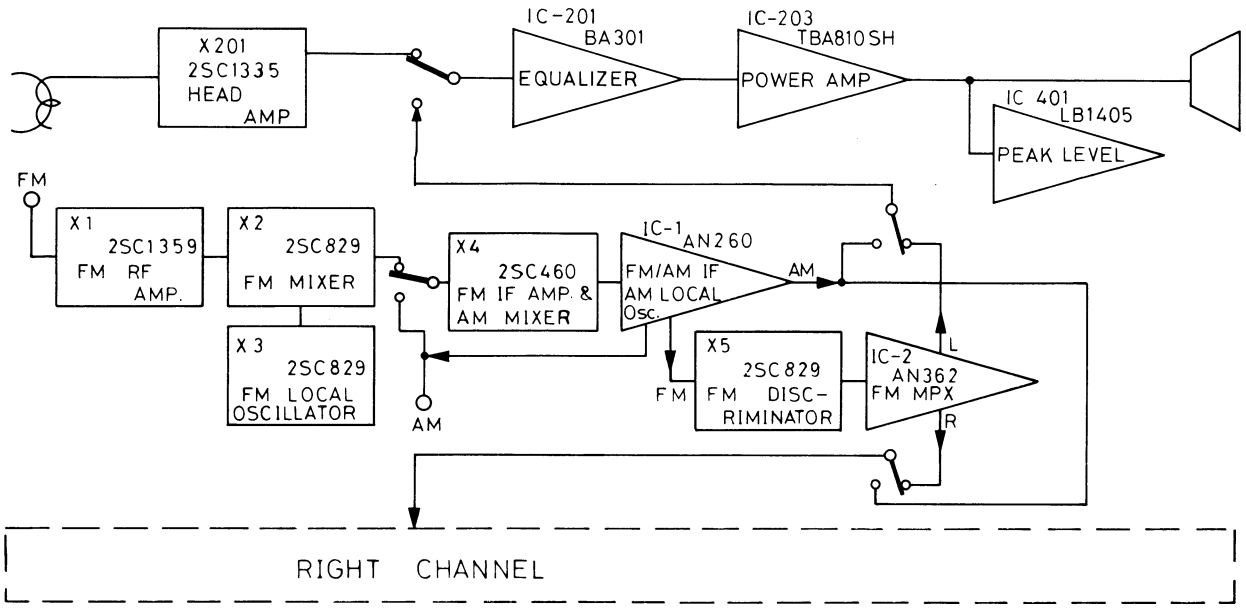


Fig. 18

Recording Mode

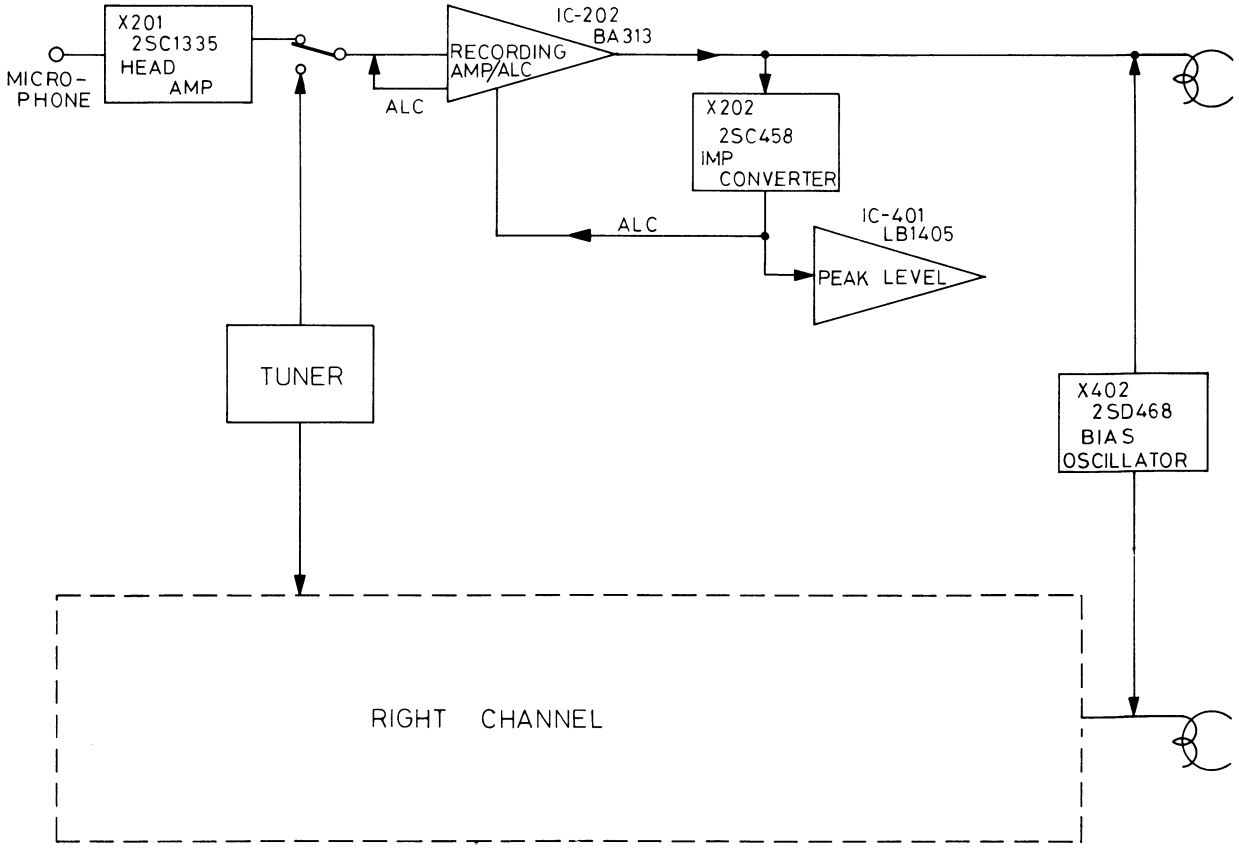


Fig. 19

List of Cassette Mechanism

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*VA5001-S01-1ZE	Main Chassis Ass'y		1
2	*VA5001-030-1E	Brake Function Plate		1
3	*VA5001-035E	Idler Compresion Plate (B)		1
4	*VA5001-S08ZE	FF. Lever Ass'y		1
5	*VA5001-S07ZE	Rewind Lever Ass'y		1
6	*VA5001-S06ZE	Play Lever Ass'y		1
7	*VA5001-S05ZE	Record Lever Ass'y		1
8	*VA5001-S04-1ZE	Stop Lever Ass'y		1
9	*VA5001-S14ZE	Rewind Roller Arm Ass'y		1
10	*VA5001-003E	Eject Lever		1
11	*VA5001-741E	Spring		3
12	*VA5001-S09ZE	PA. Lever Ass'y		1
13	*6725701E	Pause Lock Piece		1
14	*VA5001-219-1E	PA. Collar		1
15	*VA5001-233E	Special Screw		1
16	*VA5001-011E	Cam Plate (A)		1
17	*VA5001-S11-1ZE	FAS. Cam Plate Ass'y		1
18	*VA5001-742E	Spring		3
19	REE2500	E-ring		12
20	*VA5001-010E	Lever Guide		1
21	*VA5001-033E	Spring Plate		1
22	LPSP2604Z	Ass'y Screw		12
23	*TJB366301-04	Push Button	PAUSE	1
24	*TJB366301-03	Push Button	CUE	1
25	*TJB366301-02	Push Button	REVIEW	1
26	*TJB366301-01	Push Button	PLAY	1
27	*TJB366301-06	Push Button	REC	1
28	*TJB366301-05	Push Button	STOP	1
29	*TJB366301-07	Push Button	EJECT	1
30	*VA5001-016E	Eject Lock Lever (A)		1
31	*VA5001-015E	Cue-Review Lever		1
32	*VA5001-S10-1ZE	Eject Lock Lever (B) Ass'y		1
33	*VA5001-745E	Spring		1
34	*VA5001-S03-1ZE	Head Chassis Ass'y		1
35	*40111-1E	Spring		1
36	WNS2000Z	Washer		1
37	V03078-043	Play/Record Head		1
38	SPSX2008Z	PM. Screw		1
39	SPSP2004Z	Screw		1
40	V03078-044	Erase Head		1
41	* ————	M2 Cord Clamp		2
42	SPSP2006Z	Screw		2
43	*VA5001-700-1E	Pinch Roller Spring		1
44	*VA5001-020-1E	Head Chassis Spring Plate		1
45	————	Steel Ball	ϕ2	5
46	LPSP2605Z	Ass'y Screw		4
47	*VA5001-701E	Head Chassis Spring		1
48	*VA5001-747E	Spring		3
49	* ————	Tube	ϕ5 x L15 x t0.5	6
50	* ————	M2.6 Cord Clamp		2
51	*VA5001-S12-1ZE	Pinch Roller Arm Ass'y		1
52	*VA5001-S21-1ZE	Idler Ass'y		1
53	*VA5001-034E	Idler Compression Plate (A)		1
54	*VA5001-218-1E	Collar		1
55	*VA5001-702-1E	Spring		1
56	WNS2600Z	Washer		1
57	SPSP2610Z	Screw		1
58	*VA5001-750E	Spring	for Idler Ass'y	1
59	*VA5001-S19ZE	Forward Arm (A) Ass'y		1
60	*VA5001-S17-1ZE	Forward Arm (B) Ass'y		1
61	*STW-FT2x0.25	Special Washer		5
62	*VA5001-S20-1ZE	Forward Pulley Ass'y		1
63	REE1500	E-ring		1
64	*VA5001-S16-1ZE	Forward Ass'y		1
65	*VA5001-749E	Spring		1
66	*VA5001-600-1ZE	Flywheel Ass'y		1
67	*STW-FT2.5x0.25	Special Washer		1
68	————	Nylon Washer	ϕ2.4 x ϕ8 x t0.5	1
69	*VA5001-039E	Flywheel Bracket		1
70	*VA5001-414E	Thrust Screw		1
71	*VA5001-419-1E	Rewind Roller		1
72	*VA5001-800-1E	Main Belt		1
73	*VA5001-740E	Spring		1
74	*VA5001-704E	Stop Lever Spring		1
75	*VA5001-S31ZE	Record Spring Ass'y		1
76	*VA5001-748E	Spring	for FAS. Lever Sub Ass'y	1
77	*VA5001-S24-1ZE	FAS. Lever Sub Ass'y		1
78	*VA5001-725-1E	Spring	for FAS. Drive Lever	1
79	*VA5001-413-1E	FAS. Drive Lever		1
80	*VA5001-038E	Spring Catcher		1
81	REE1200	E-ring		3
82	*VA5001-744-1E	Spring	for Rew. Roller Arm	1
83	*VA5001-746E	Spring		1
84	*VA5001-031E	Leaf Switch Bracket		1
85	*LSA-8D(X)	Leaf Switch		1
86	WAS2000	Lock Washer	for Leaf Switch	1
87	SPSP2008Z	Screw		1
88	*VA5001-703E	Spring	for Brake Plate	1
89	*VA5001-029E	Brake Plate		1
90	*VA5001-023E	Record Safety Plate		1
91	*VA5001-019E	Counter Bracket		1
92	*V31093-004	Tape Counter		1
93	SPSP3005Z	Screw		2
94	*VA5001-803E	Counter Belt	ϕ48.7	1
95	*VA5001-S15-1ZE	Reel Disk Ass'y		2
96	*VA5001-723E	Spring	for Tension	1
97	*VA5001-032E	Spring Catcher		1
98	*VA5001-S25-1ZE	FAS. Gear Box Ass'y (1)		1
99	*VA5001-802-1E	FAS. Detect Belt	ϕ28.7	1
100	*VA5001-801E	FAS. Drive Belt	ϕ47.1	1
101	*VA5001-S30BZE	Motor Ass'y	with Pulley	1
102	*VA5001-804E	Rubber Cushion		3
103			Blank No.	
104	SWSP2608Z	Washer Screw		3
105	* ————	Spacer	ϕ2.6 x 6	3
106	*VA5001-743E	Spring	for Idler Comp. Plate (A)	1
107	*VA5001-751E	Spring		1
108	*VYSA1R3-002	Himeron Washer		1
109	*403099-1E	Support	for Mech. Chassis	4

Note: The whole assembly of cassette mechanism will not be available as spare part.

Control Circuit Board Ass'y

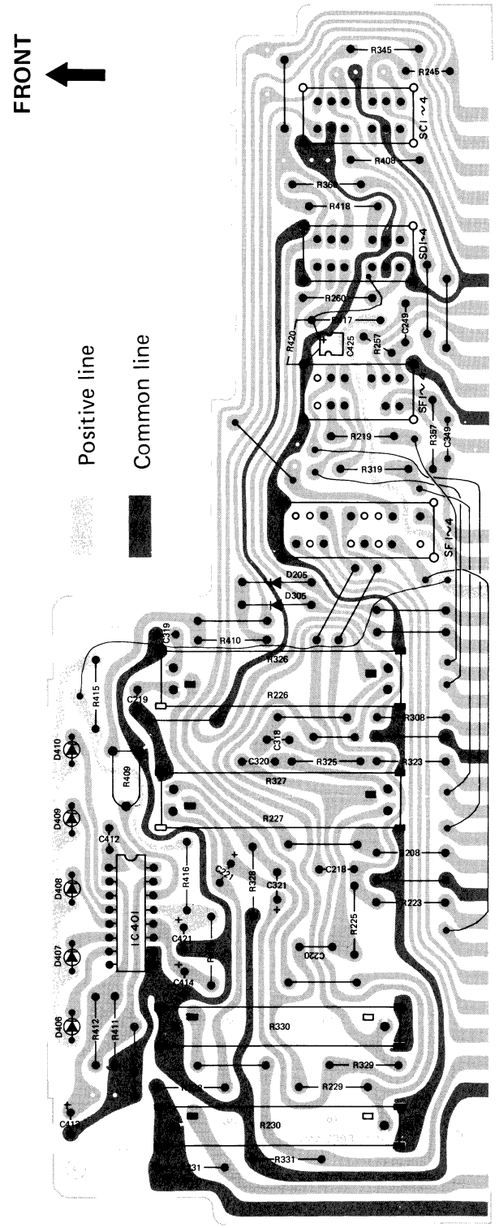


Fig. 26

Note: The circuit board assembly will not be available as spare part.

IC & Diodes

Ref. No.	Parts No.	Parts Name	Description
IC401	LB1405	Integrated Circuit	SANYO
D205,305	1K34A	Germanium Diode	UNIZON
D406~410	TLR102LE60	Light Emission Diode	TOSHIBA

Resistors

Ref. No.	Parts No.	Parts Name	Description	
R208,308	QRD141K-223	Carbon	22kΩ	¼W
R219	〃 -103	〃	10kΩ	〃
R223,323	〃 -103	〃	〃	〃
R225,325	〃 -822	〃	8.2kΩ	〃
R226,326,227,327	QVR2A6A-115	Variable (Slide)	100kΩ	A-curve
R228,328	QRD141K-392	Carbon	3.9kΩ	¼W
R229,329	〃 -562	〃	5.6kΩ	〃
R230,330	QVR0A6A-024	Variable (Slide)	20kΩ	A-curve
R231,331	QRD141K-223	Carbon	22kΩ	¼W
R245	QRD143K-153	〃	15kΩ	〃
R257	〃 -473	〃	47kΩ	〃
R260,360	QRD141K-152	〃	1.5kΩ	〃
R319	〃 -103	〃	10kΩ	〃
R345	〃 -153	〃	15kΩ	〃
R357	〃 -473	〃	47kΩ	〃
R408,417	〃 -563	〃	56kΩ	〃
R409	QVP8A0B-014	Variable	10kΩ	B-curve
R410	QRD141K-472	Carbon	4.7kΩ	¼W
R411	〃 -153	〃	15kΩ	〃
R412	〃 -104	〃	100kΩ	〃
R413	〃 -103	〃	10kΩ	〃
R414	〃 -561	〃	560Ω	〃
R415	〃 -121	〃	120Ω	〃
R416	〃 -271	〃	270Ω	〃
R418	〃 -152	〃	1.5kΩ	〃
R420	QRD143K-123	〃	12kΩ	〃

Capacitors

Ref. No.	Parts No.	Parts Name	Description	
C218,318	QCY41HK-222	Ceramic	2200pF	50V
C219,319	QFM41HK-153	Mylar	0.015μF	〃
C220,320	〃 -473	〃	0.047μF	〃
C221,321	QEC81HM-104	Electrolytic	0.1μ	〃
C249,349	QCS11HK-681	Ceramic	680pF	〃
C412	〃 -470	〃	47pF	〃
C413	QEW41CA-106	Electrolytic	10μF	16V
C414	QEW41HA-105	〃	1μF	50V
C421	QEW41AA-476	〃	47μF	10V
C425	〃 -107	〃	100μF	〃

Others

Ref. No.	Parts No.	Parts Name	Description
SC, SD, SE	QSL4218-001	Lever Switch	
SF	QSL4324-001	〃	
	*VYH4143-001	Holder	for LED

Ref. No.	Parts No.	Parts Name	Description	
R264	QRD141K-104	Carbon	100kΩ	¼W
R265,365	QRD143K-681	"	680Ω	"
R268,368	" -103	"	10kΩ	"
R269,369	" -682	"	6.8kΩ	"
R306	QRD143K-104	"	100kΩ	"
R307	" -153	"	15kΩ	"
R312	" -102	"	1kΩ	"
R321	QRD143K-221	"	220Ω	"
R335	" -222	"	2.2kΩ	"
R348	" -124	"	120kΩ	"
R349	QRD141K-104	"	100kΩ	"
R350,364	QRD143K-104	"	100kΩ	"
R355	" -102	"	1kΩ	"
R401	QRD141K-4R7	"	4.7Ω	"
R402	" -273	"	27kΩ	"
R403,404,405	" -100	"	10Ω	"
R406	" -271	"	270Ω	"
R407	" -473	"	47kΩ	"
R419	QRW121K-1R0	Wire Wound	1Ω	½W

Capacitors

Ref. No.	Parts No.	Parts Name	Description	
C201,301	QCS11HK-331	Ceramic	330pF	50V
C202,302	QCY41HK-102	"	1000pF	"
C203,303	QEW41HA-474	Electrolytic	0.47μF	"
C204,304	QCS11HK-471	Ceramic	470pF	"
C205,305	QEW41HA-105	Electrolytic	1μF	"
C206,306	QEW41AA-227D09	"	220μF	10V
C207,208,307,308	QEC81HM-224	"	0.22μF	50V
C209,309	QCS11HK-221	Ceramic	220pF	"
C210,310	QEW41AA-227	Electrolytic	220μF	10V
C211,311	QEC81HM-104	"	0.1μF	50V
C212,312	QEW41CA-106	"	10μF	16V
C213,313	" -108	"	1000μF	"
C214,217,314,317	QEW41HA-475	"	4.7μF	50V
C215,315	QFM41HK-153	Mylar	0.015μF	"
C222,322	QCY41HK-102	Ceramic	1000pF	"
C223,323	QEW41AA-107	Electrolytic	100μF	10V
C224,324	" -107	"	"	"
C225,325	QCY41HK-332	Ceramic	3300pF	50V
C227,327	" -681	"	680pF	"
C228,328	QEW41AA-477D11	Electrolytic	470μF	10V
C230,233,330,333	QEC81HM-224	Electrolytic	0.22μF	50V
C231,331	QEW41AA-477	"	470μF	10V
C232,332	QEW41CA-108	"	1000μF	16V
C234,334	QFM41HK-103	Mylar	0.01μF	50V
C236,238,336,338	QEW41HA-475	Electrolytic	4.7μF	"
C237,239,337,339	QEW41AA-476	"	47μF	10V
C240,340	QEW41CA-106	"	10μF	16V
C241,341	QEW41AA-476	"	47μF	10V
C242,247,342,347	QEW41HA-475	"	4.7μF	50V
C243,343	QCY41HK-332	Ceramic	3300pF	"
C244,344	QCS11HK-101	"	100pF	"
C245,345	QEW41HA-474	Electrolytic	0.47μF	"
C246,346	QCY41HK-152	Ceramic	1500pF	"
C248,348	" -102	"	1000pF	"
C250,350	QCS11HK-681	"	680pF	"
C251,351	QEW41HA-105	Electrolytic	1μF	"
C252,352	QFM41HK-103	Mylar	0.01μF	"
C253,353	QCS11HK-331	Ceramic	330pF	"
C254,354	QEC81HM-104	Electrolytic	0.1μF	50V
C255,355	QEW41CA-476	"	47μF	16V
C256,356	QCS11HK-151	Ceramic	150pF	50V
C257,258,357,358	" -101	"	100pF	"
C259,359	QFM41HK-223	Mylar	0.022μF	"
C260,360	QCF11EZ-104	Ceramic	0.1μF	25V
C401	QCY41HK-822	"	8200pF	50V
C402,403	" -222	"	2200pF	"
C404,408	" -332	"	3300pF	"
C405	" -472	"	4700pF	"
C406,410	QEW41AA-107	Electrolytic	100μF	10V
C407,409	QFM41HK-223	Mylar	0.022μF	50V
C411	QEW41AA-227	Electrolytic	220μF	10V
C416	QEW41CA-477	"	470μF	16V
C422	QCY41HK-102	Ceramic	1000pF	50V
C423,424	" -152	"	1500pF	"
C432	QEW41HA-105	Electrolytic	1μF	"

Others

Ref. No.	Parts No.	Parts Name	Description
L201,301	03226-17	Inductor	
L401	V03083-019	Coil	Bias Osc.
L402	03226-2K	Inductor	
L403	T41572-001	"	
SA1~9	QSS6201-201	Slide Switch	Play-Record
SB1~9	QSS9201-002	"	Function
SI1~4	QSP4210-061	Push Switch	DIN
J202,204,302,304, 406,SH-1	V03104-057	Jack Board Ass'y	
J407	QMC9014-005	DIN Socket Ass'y	
T.Pin	A74138-2	Test Pin	
4-P	QMC0427-001	Plug Ass'y	4-pin
6-P	QMC0629-001	"	6-pin
	VYH4144-001	Radiation Plate	Head sink for IC203,303

Exploded View of Cassette Mechanism

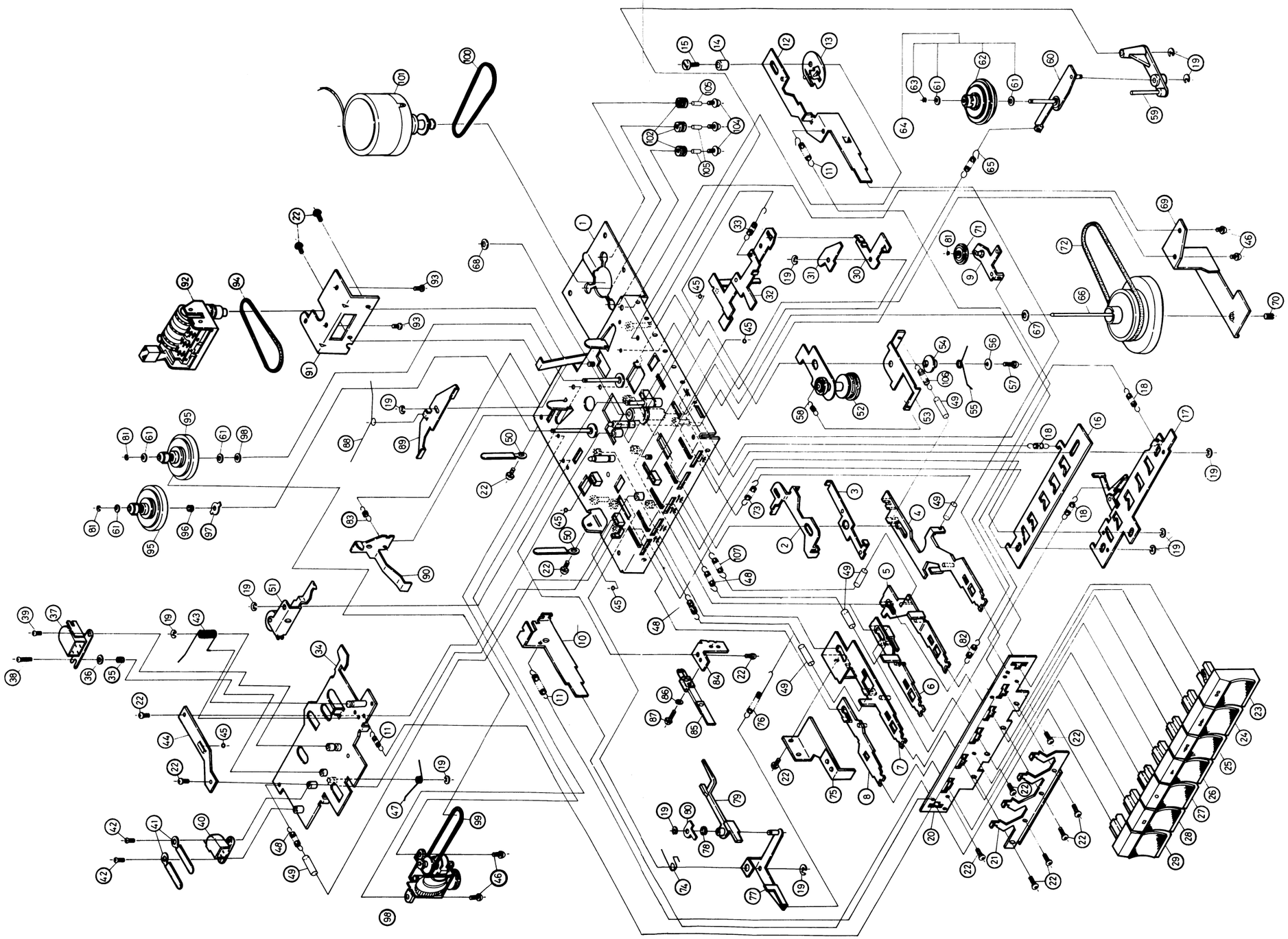


Fig. 25

Ref. No.	Parts No.	Parts Name	Description	
R56	QRD141K-222	Carbon	2.2kΩ	¼W
R57	QRD143K-470	〃	47Ω	〃
R59	〃 -391	〃	390Ω	〃
R60	〃 -103	〃	10kΩ	〃
R61	QRD141K-474	〃	470kΩ	〃
R62	QRD143K-334	〃	330kΩ	〃
R63	〃 -155	〃	1.5MΩ	〃
R64	〃 -221	〃	220Ω	〃
R65	〃 -333	〃	33kΩ	〃
R66	〃 -153	〃	15kΩ	〃
R67	〃 -684	〃	680kΩ	〃
R68	〃 -105	〃	1MΩ	〃

Capacitors

Ref. No.	Parts No.	Parts Name	Description	
C1~8	QAP1224-504	Variable		
C9-10,11-12	QAT2002-001	Trimmer		
C13	QCS11HK-5R0	Ceramic	5pF	50V
C14	〃 -270	〃	27pF	〃
C15,18	QCS11HJ-4R0	〃	4pF	〃
C16	QCF11EZ-103	〃	0.01μF	25V
C17	QCS11HK-220	〃	22pF	50V
C19	〃 -150	〃	15pF	〃
C20	〃 -271	〃	270pF	〃
C21,26	QCF11EZ-103	〃	0.01μF	25V
C23	QCS11HJ-3R0	〃	3pF	50V
C24	〃 -120	〃	12pF	〃
C25	QCS11HK-200	〃	20pF	〃
C27	QCT05CH-200	〃	〃	〃
C28	QCS11HJ-4R0	〃	4pF	〃
C29	QCF11EZ-473	〃	0.047μF	25V
C30	QCY41HK-102	〃	1000pF	50V
C31	QFM41HM-473	Mylar	0.047μF	〃
C32,39	〃 -223	〃	0.022μF	〃
C33	QCS11HK-150	Ceramic	15pF	〃
C34	QCS11HJ-3R0	〃	3pF	〃
C35,36,41	QCS11HK-3R0	〃	〃	〃
C37	〃 -300	〃	30pF	〃
C38	QFM41HM-103	Mylar	0.01μF	〃
C40	QCS11HK-471	Ceramic	470pF	〃
C43	QFM41HM-223	Mylar	0.022μF	〃
C44	QCS11HK-100	Ceramic	10pF	〃
C45	QFS41HJ-332	Polystyrol	3300pF	〃
C46	QCY41HK-102	Ceramic	1000pF	〃
C47	QCS11HK-150	〃	15pF	〃
C48	〃 -301	〃	300pF	〃
C50	〃 -240	〃	24pF	〃
C51	〃 -131	〃	130pF	〃
C52	〃 -330	〃	33pF	〃
C53	QCY41HK-472	〃	4700pF	〃
C54	QFM41HM-473	Mylar	0.047μF	〃
C55,58,65	QCF11EZ-473	Ceramic	〃	25V
C56,57	QEW41HA-474	Electrolytic	0.47μF	50V
C59	QCY41HK-102	Ceramic	1000pF	〃
C60	QCS11HK-471	〃	470pF	〃
C64,67	QCF11EZ-223	〃	0.022μF	25V
C68	〃 -103	〃	0.01μF	〃
C69	QCS11HK-1R0	〃	1pF	50V
C72,73,75,76	〃 -331	〃	330pF	〃

Ref. No.	Parts No.	Parts Name	Description	
C74	QEW41HA-335	Electrolytic	3.3μF	50V
C77	QCS11HK-220	Ceramic	22pF	〃
C78,80	QCF11EZ-223	〃	0.022μF	25V
C79	QCS11HK-100	〃	10pF	50V
C81	QEW41CA-106	Electrolytic	10μF	16V
C82	QEW41AA-227D09	〃	220μF	10V
C83,84	QEW41HA-105	〃	1μF	50V
C85	〃 -474	〃	0.47μF	〃
C86	QEC81HM-224	〃	0.22μF	〃
C87	QFS21HJ-391	Polystyrol	390pF	〃
C88	QFM41HM-473	Mylar	0.047μF	〃
C89,90	〃 -103	〃	0.01μF	〃
C91,92	QCY41HK-152	Ceramic	1500pF	〃
C93,94	〃 -472	〃	4700pF	〃
C95,96	〃 -562	〃	5600pF	〃
C97,107	QFM41HM-223	Mylar	0.022μF	〃
C98	QEW41AA-108	Electrolytic	1000μF	10V
C99	QCY41HK-102	Ceramic	1000pF	50V
C102	QFM41HM-103	Mylar	0.01μF	〃
C103	QCF11EZ-223	Ceramic	0.022μF	25V
C104	QCS11HK-101	〃	100pF	50V
C105	QEW41AA-476	Electrolytic	47μF	10V
C106	〃 -107	〃	100μF	〃
C108	QCS11HK-151	Ceramic	150pF	50V
C111	QCY41HK-102	〃	1000pF	〃
C112	QCF11EZ-103	〃	0.01μF	25V
C113	QFM41HM-472	Mylar	4700pF	50V

Others

Ref. No.	Parts No.	Parts Name	Description
L1,3	V03047-21	Coil	FM Antenna
L2	〃 -10	〃	〃
L4	V03105-018	〃	FM RF
L5	03226-1K	Inductor	FM IF Trap
L6	V03080-015	Coil	FM Osc.
L7	VQT7F12-103	I.F.T.	FM
L8	V03047-11	Coil	SW Antenna Loading
L9	VQR1001-202	〃	SW Antenna
L12	V03101-025	〃	SW Osc.
L13	VQM1T03-201	〃	MW Osc.
L14	VQL1T03-201	〃	LW Osc.
L15	VQT7A10-101	I.F.T.	AM
L16	VQT7A11-101	〃	〃
L17	〃 -302	〃	〃
L18	V03068-23	〃	FM
L19	VQT7F15-502	〃	〃
L20	VQT7F16-602	〃	〃
L21,22	03226-18	Inductor	
L23	VQT7F11-202	I.F.T.	FM
CF1,2	V03059-3	Ceramic Filter	FM IF
C.R.B.	03126-15	CR Block	includes R28,C62,63
S1~10	QSS0023-001	Slide Switch	BAND
6-P	QMC0629-001	6-pin Plug	
T.P.	V04041-1	Test Point	
Tab	V43895-1	Tab	
	V43762-003	Shield Case	

Amplifier Circuit Board Ass'y

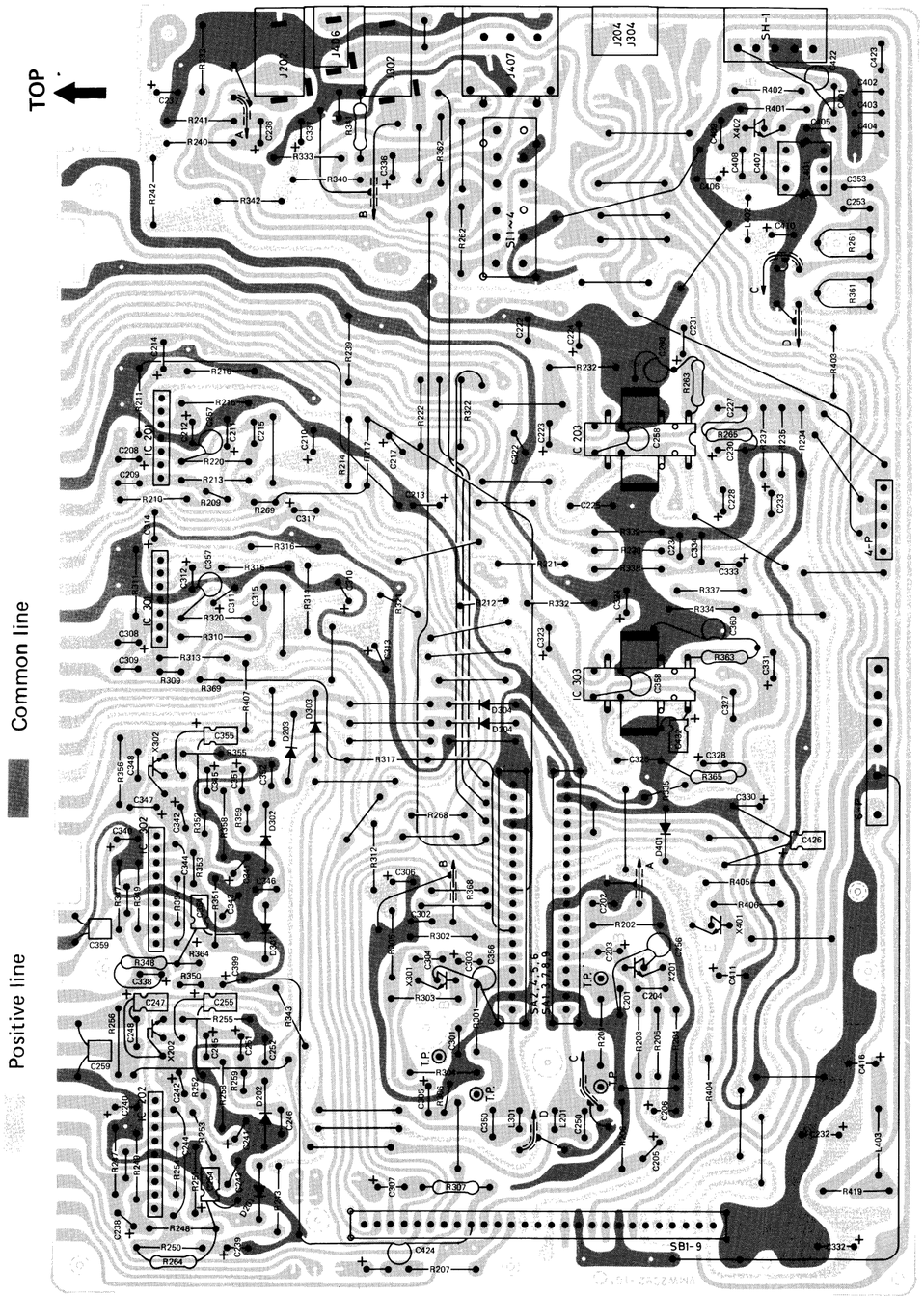


Fig. 24

Note: The circuit board assembly will not be available as spare part.

Transistors

Ref. No.	Parts No.	Description	Pc	fT
X201,301	2SC1335(D,E)	Silicon (HITACHI)	0.2W	230MHz
X202,302	2SC458(C,D)	〃 (〃)	〃	〃
X401	2SD468(B,C)	〃 (〃)	0.9W	190MHz
X402	2SD468(C)	〃 (〃)	〃	〃

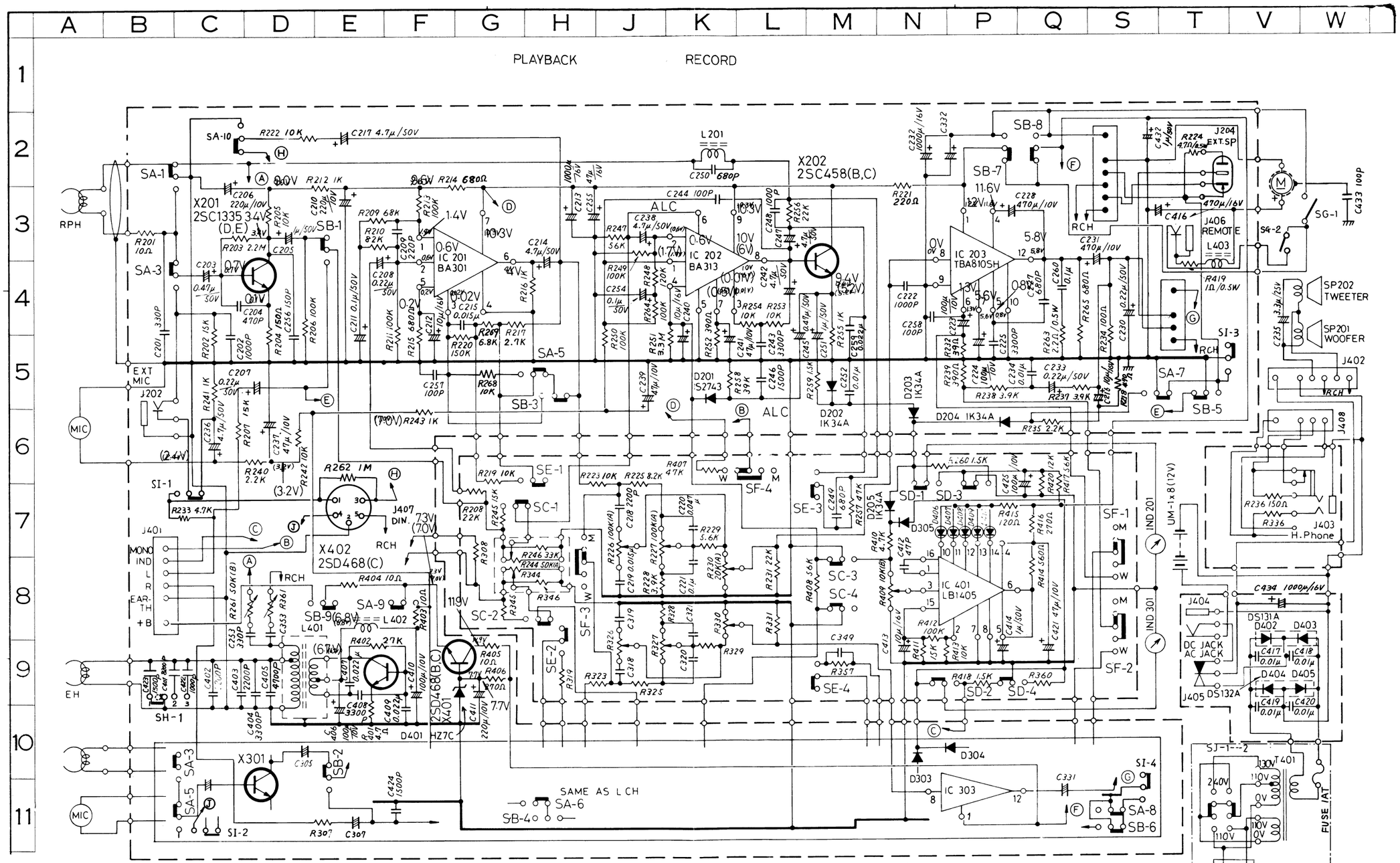
ICs & Diodes

Ref. No.	Parts No.	Parts Name	Description
IC201,301	BA301	Integrated Circuit	TOYO DENGU
IC202,302	BA313	〃	〃
IC203,303	TBA810SH	〃	HITACHI
D201,301	1S2473	Silicon Diode	TOYO DENGU
D202~204	1K34A	Germanium Diode	UNIZON
D302~304	1K34A	〃	〃
D401	HZ7C	Zener Diode	HITACHI

Resistors

Ref. No.	Parts No.	Parts Name	Description
R201,301	QRD141K-100	Carbon	10Ω ¼W
R202,302	〃 -153	〃	15kΩ 〃
R203,303	〃 -225	〃	2.2MΩ 〃
R204,304	〃 -151	〃	150Ω 〃
R205,305	〃 -103	〃	10kΩ 〃
R206	〃 -104	〃	100kΩ 〃
R207	〃 -153	〃	15kΩ 〃
R209,309	QRD143K-683	〃	68kΩ 〃
R210,310	QRD141K-823	〃	82kΩ 〃
R211,213,311,313	〃 -104	〃	100kΩ 〃
R212	QRD143K-102	〃	1kΩ 〃
R214,215,314,315,	QRD141K-681	〃	680Ω 〃
R216,316	〃 -102	〃	1kΩ 〃
R217,317	〃 -272	〃	2.7kΩ 〃
R220,320	〃 -154	〃	150kΩ 〃
R221	〃 -221	〃	220Ω 〃
R222,322	〃 -103	〃	10kΩ 〃
R224,324	QRD121J-4R7	〃	4.7Ω ½W
R232,332	QRD141K-390	〃	39Ω ¼W
R233,333	〃 -472	〃	4.7kΩ 〃
R234,334	〃 -101	〃	100Ω 〃
R235	〃 -222	〃	2.2kΩ 〃
R237,238,337,338	〃 -392	〃	3.9kΩ 〃
R239,339	〃 -391	〃	390Ω 〃
R240,340	〃 -222	〃	2.2kΩ 〃
R241,243,341,343	〃 -102	〃	1kΩ 〃
R242,342	〃 -103	〃	10kΩ 〃
R247,347	〃 -563	〃	56kΩ 〃
R248	〃 -124	〃	120kΩ 〃
R249,250,349	〃 -104	〃	100kΩ 〃
R251,351	〃 -335	〃	3.3MΩ 〃
R252,352	QRD143K-391	〃	390Ω 〃
R253,254,353,354	〃 -103	〃	10kΩ 〃
R255,	QRD141K-102	〃	1kΩ 〃
R256,356	〃 -223	〃	22kΩ 〃
R258,358	〃 -393	〃	39kΩ 〃
R259,359	QRD143K-152	〃	1.5kΩ 〃
R261,361	QVP8A0B-054	Variable	50kΩ B-curve
R262,362	QRD141K-105	Carbon	1MΩ ¼W
R263,363	QRW123K-2R2	Wire Wound	2.2Ω ½W

Schematic Diagram of RC-727L (Amplifier)



NOTE
SA-1---11 PLAY-REC SWITCH (PLAY POSITION)
SB-1---9 TAPE-RADIO SWITCH (TAPE POSITION)
SC-1---4 MANUAL-AUTO (PEAK INDI. ON-OFF) SWITCH (MANUAL/PEAK ON POSITION)
SD-1---4 LEVEL-BATT/TUNING SWITCH (LEVEL POSITION)
SE-1---4 NORMAL-CrO_2 SWITCH (NORMAL POSITION)
SF-1---4 MONO-ST-WIDE SWITCH (ST POSITION)
SG-1---2 MOTOR SWITCH (OFF POSITION)
SH-1 BEAT CUT SWITCH ("1" POSITION)
SJ-1---2 VOLTAGE SELECTOR (220V POSITION)
SI-1---4 DIN SWITCH (OFF POSITION)

VOLTAGE VALUE ARE MEASURED WITH NO SIGNAL
USING V.T.V.M., ( ) VALUE ARE AT REC POSITION.

LAST NO. R269, 369, 420
C260, 360, 434

BLANK NO. R266 366
267 367

C226 326 415 426
229 329 427 428
429 430
431

MOTOR CIRCUIT

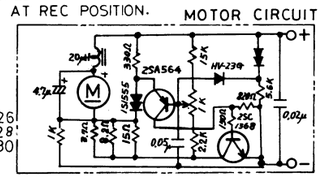


Fig. 22

Tuner Circuit Board Ass'y

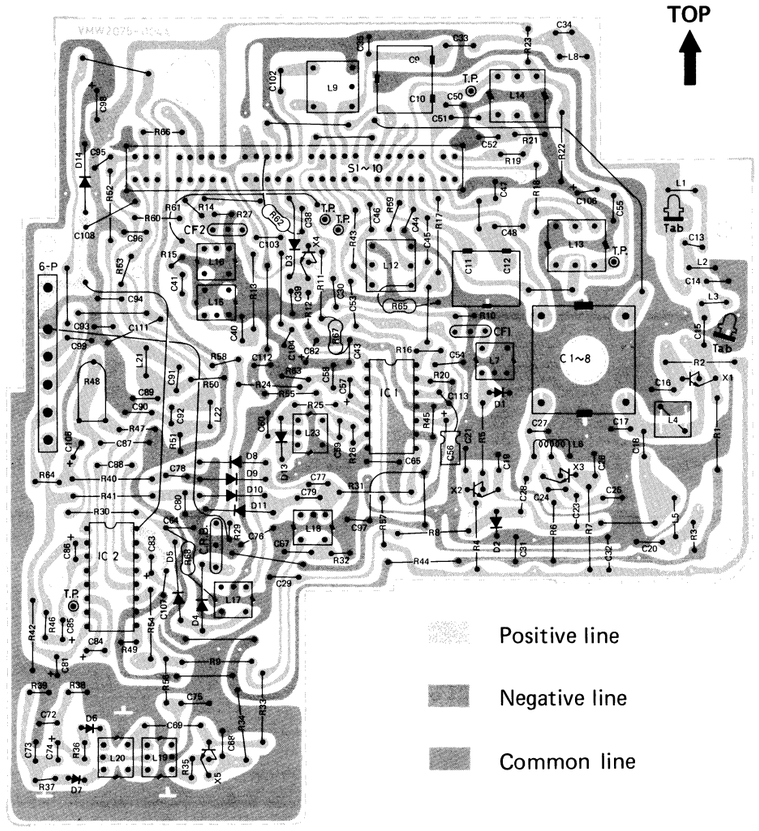


Fig. 23

Note: The circuit board assembly will not be available as spare part.

Transistors

Ref. No.	Parts No.	Description	Pc	fT
X1,	2SC1359(B)	Silicon (MATSUSHITA)	0.25W	300MHz
X2,3,5	2SC829(C)	〃 (〃)	〃	230MHz
X4	2SC460(C)	〃 (HITACHI)	0.2W	〃

ICs & Diodes

Ref. No.	Parts No.	Parts Name	Description
IC1	AN260	Integrated Circuit	MATSUSHITA (FM/AM IF)
IC2	AN362	〃	〃 (MPX)
D1,3,10,13	1S2473	Silicon Diode	TOYO DENGU
D2	1S2790	Variable Capacitance Diode	HITACHI
D4,5,8,9,11	1N34A	Germanium Diode	〃
D6,7	1N60(P)	〃	〃
D14	10E1	Silicon Diode	J.I.R.C.

Resistors

Ref. No.	Parts No.	Parts Name	Description
R1	QRD141K-152	Carbon	1.5kΩ ¼W
R2,4,7	〃 -472	〃	4.7kΩ 〃
R3	〃 -222	〃	2.2kΩ 〃
R5	〃 -101	〃	100Ω 〃
R6	QRD143K-182	〃	1.8kΩ 〃
R8,9	QRD141K-224	〃	220kΩ 〃
R10	QRD143K-471	〃	470Ω 〃
R11	QRD141K-472	〃	4.7kΩ 〃
R12	QRD143K-182	〃	1.8kΩ 〃
R13	QRD141K-151	〃	150Ω 〃
R14	QRD143K-181	〃	180Ω 〃
R15	〃 -334	〃	330kΩ 〃
R16	〃 -684	〃	680kΩ 〃
R17	QRD141K-331	〃	330Ω 〃
R18	QRD143K-331	〃	〃 〃
R19	〃 -102	〃	1kΩ 〃
R20	〃 -332	〃	3.3kΩ 〃
R21,24	〃 -683	〃	68kΩ 〃
R22	QRD141K-392	〃	3.9kΩ 〃
R23	QRD143K-102	〃	1kΩ 〃
R25	〃 -101	〃	100Ω 〃
R26	〃 -681	〃	680Ω 〃
R27	〃 -391	〃	390Ω 〃
R29	〃 -103	〃	10kΩ 〃
R30,34	QRD141K-182	〃	1.8kΩ 〃
R31	〃 -101	〃	100Ω 〃
R32	QRD143K-334	〃	330kΩ 〃
R33	QRD141K-151	〃	150Ω 〃
R35	QRD143K-471	〃	470Ω 〃
R36,37	〃 -102	〃	1kΩ 〃
R38,39	〃 -472	〃	4.7kΩ 〃
R40	QRD141K-471	〃	470Ω 〃
R41	〃 -223	〃	22kΩ 〃
R42	〃 -224	〃	220kΩ 〃
R43	QRD143K-470	〃	47Ω 〃
R44	QRD141K-470	〃	〃 〃
R45	QRD143K-4R7	〃	4.7Ω 〃
R46,49	〃 -102	〃	1kΩ 〃
R47	〃 -223	〃	22kΩ 〃
R48	QVP8A0B-014A	Variable	10kΩ B-curve
R50,51	QRD143K-222	Carbon	2.2kΩ ¼W
R52	QRD141K-332	〃	3.3kΩ 〃
R53,58	QRD143K-332	〃	〃 〃
R54	QRD141K-471	〃	470Ω 〃
R55	QRD143K-562	〃	5.6kΩ 〃

Wiring Connection

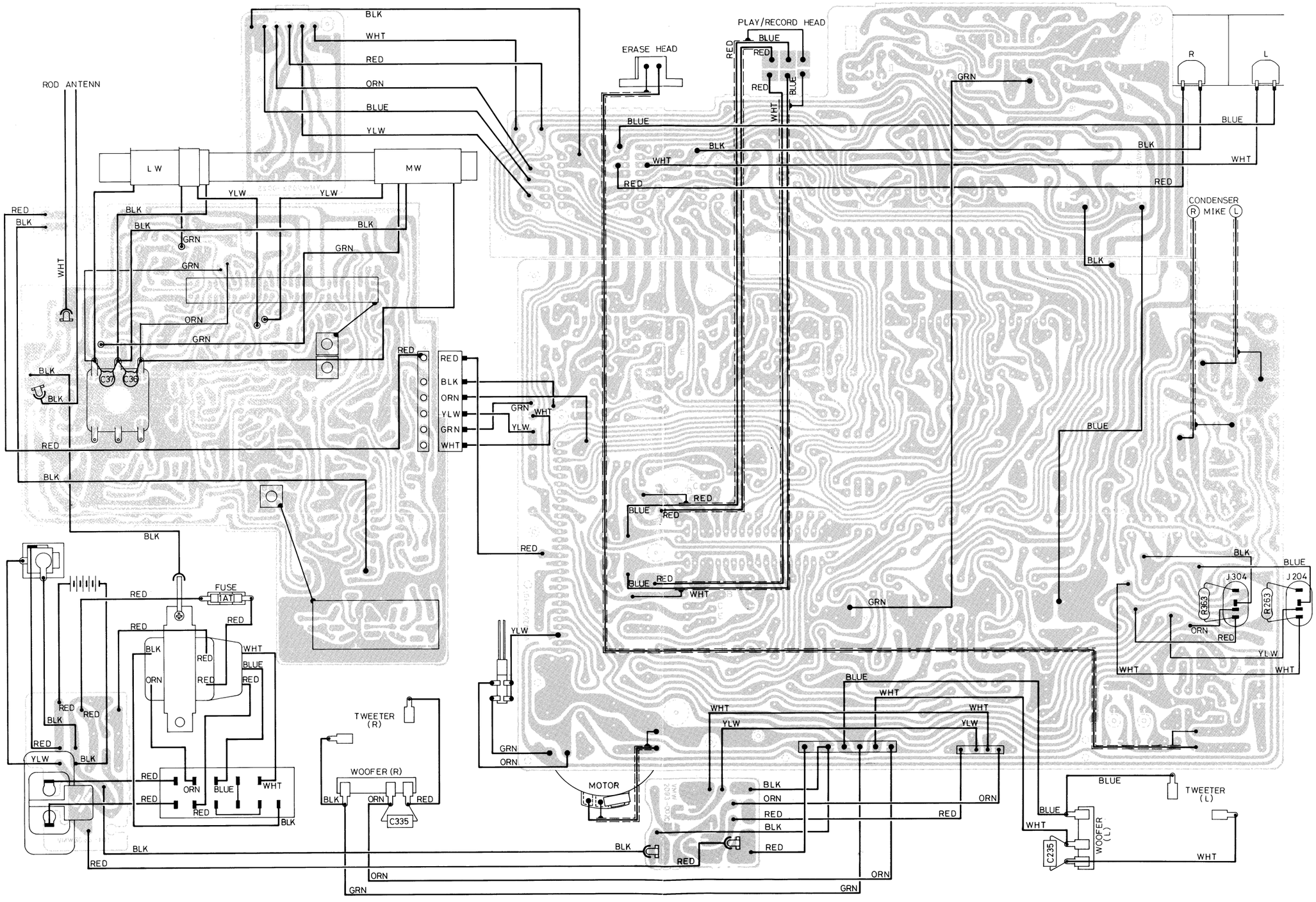
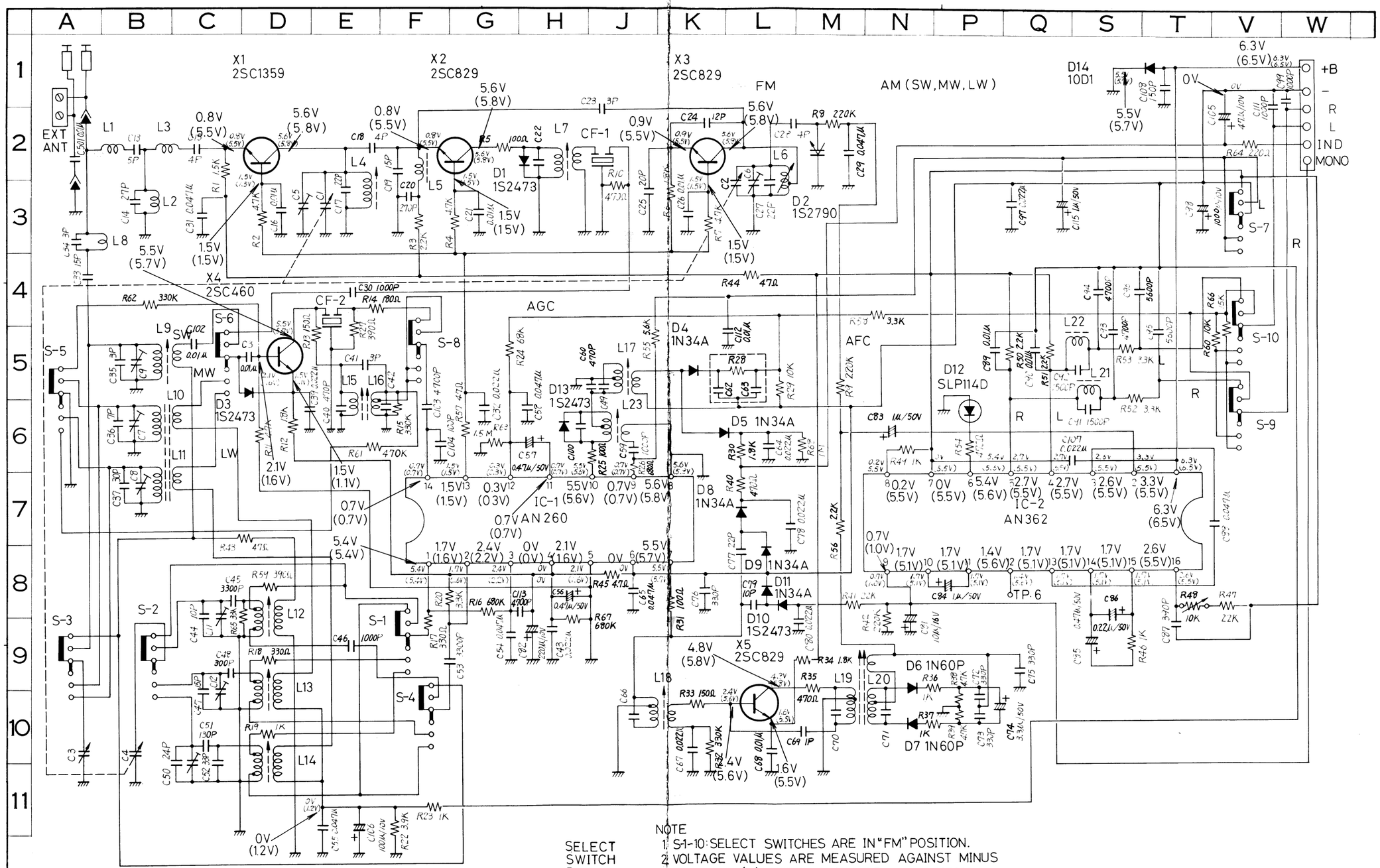


Fig. 20

Schematic Diagram of RC-727L/LB (Tuner)



SELECT SWITCH
FM
SM
MW
LW

NOTE
1. S-1-10: SELECT SWITCHES ARE IN "FM" POSITION.
2. VOLTAGE VALUES ARE MEASURED AGAINST MINUS POTENTIAL (−) USING V.T.V.M. AT FM POSITION.
( ) VALUES ARE AT MW POSITION.
3. LAST NO. R68 C115.

Fig. 21

Recording Level Circuit Board Ass'y

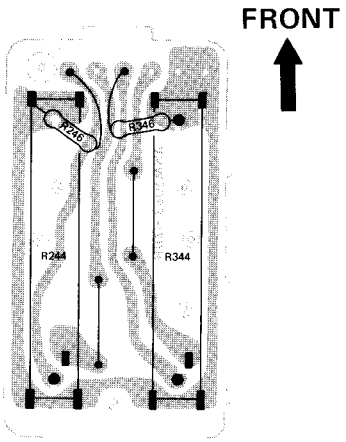


Fig. 27

Note: The circuit board assembly will not be available as spare part.

Resistors

Ref. No.	Parts No.	Parts Name	Description
R244,344	QVR0A6A-054	Variable (Slide)	50kΩ A-curve
R246,346	QRD143K-333	Carbon	33kΩ ¼W

Headphone Circuit Board Ass'y

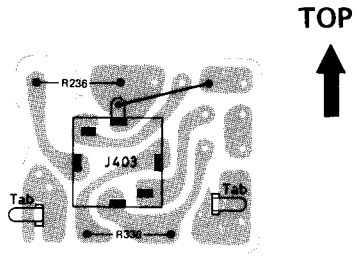


Fig. 28

Note: The circuit board assembly will not be available as spare part.

Resistors

Ref. No.	Parts No.	Parts Name	Description
R236,336	QRD141K-151	Carbon	150Ω ¼W

Other

Ref. No.	Parts No.	Parts Name	Description
J403 Tab	QMS6301-008 V43895-1	Headphone Jack Ass'y Tab	

LED Circuit Board Ass'y

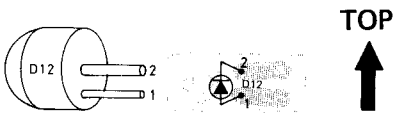


Fig. 29

Note: The circuit board assembly will not be available as spare part.

Diode

Ref. No.	Parts No.	Parts Name	Description
D12	SLP114D	Light Emission (SANYO)	Red

Exploded View of Power Supply Ass'y

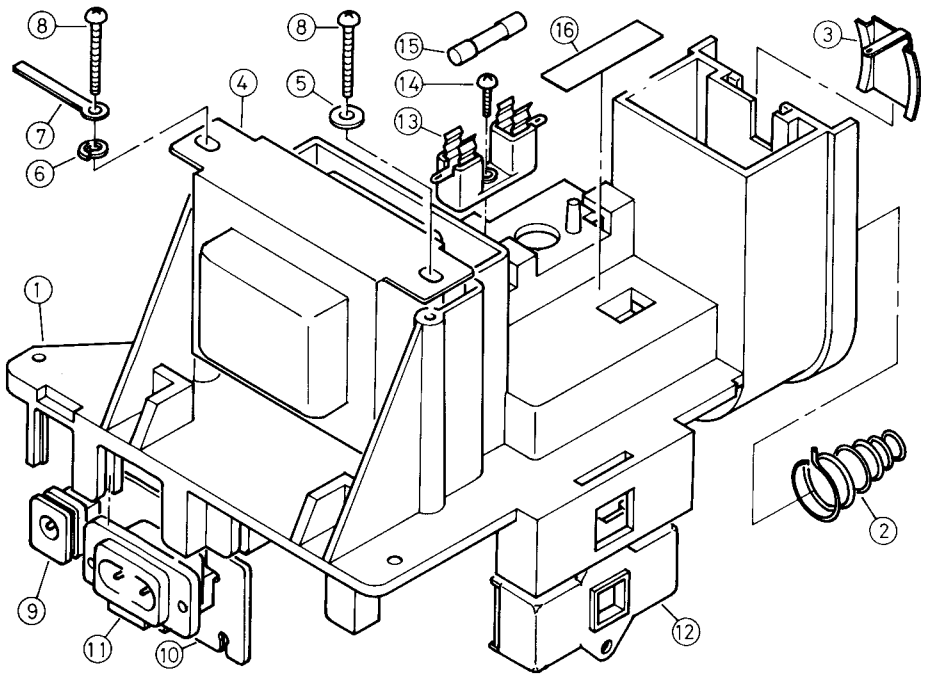


Fig. 30

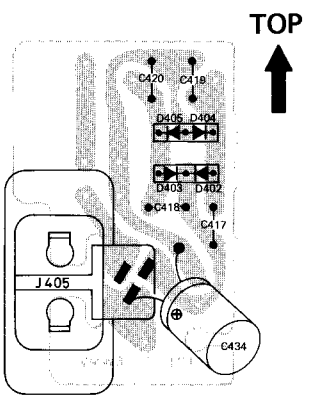


Fig. 31

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*VYH2103-001	Chassis		1
2	53738-1	Battery Spring		1
3	T41240-002	Battery Contact		1
4	*VTP54N2-12B	Power Transformer	T401	1
5	Q03091-110	Washer		1
6	WLS4000	Lock Washer		1
7	V42603-2	Wire Clamp		1
8	SBSB3025Z	Screw		2
9	QMA1221-001	DC Jack Ass'y	J404	1
10	* ————	Circuit Board Ass'y	Power Supply	1
11	QMC0263-001	AC Socket Ass'y	J405	1
12	*QSS2325-005	Slide Switch	SJ1,2	1
13	QMG1321-002	Fuse Holder Ass'y		1
14	SBSB2608Z	Screw		1
15	QMF51A2-1R0	Fuse	1AT	1
16	V42816-007	Fuse Label		1

Diodes

Ref. No.	Parts No.	Parts Name	Description
D402,403	DS131A	Silicon (SANYO)	Rectifier Stack
D404,405	DS132A	" (")	"

Capacitors

Ref. No.	Parts No.	Parts Name	Description
C417~420	QCF11EZ-103	Ceramic	0.01μF 25V
C434	QEW41CA-108	Electrolytic	1000μF 16V

Note: The circuit board assembly will not be available as spare part.

Exploded View of Chassis Ass'y

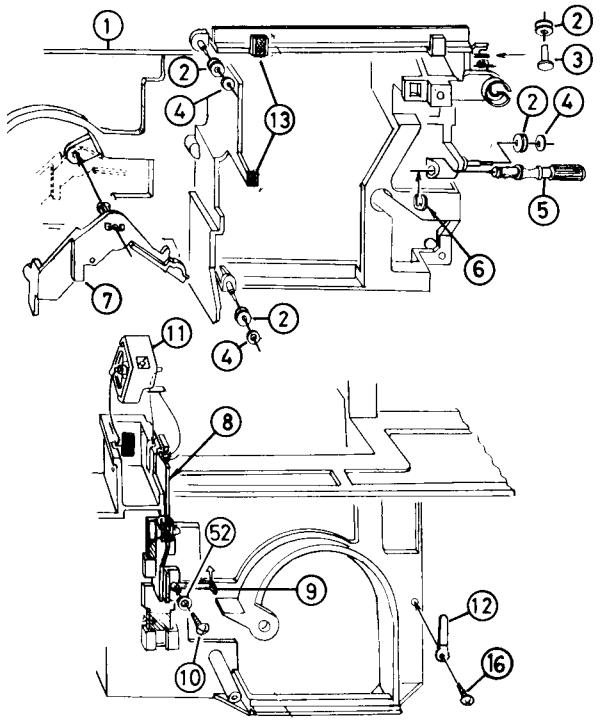


Fig. 32

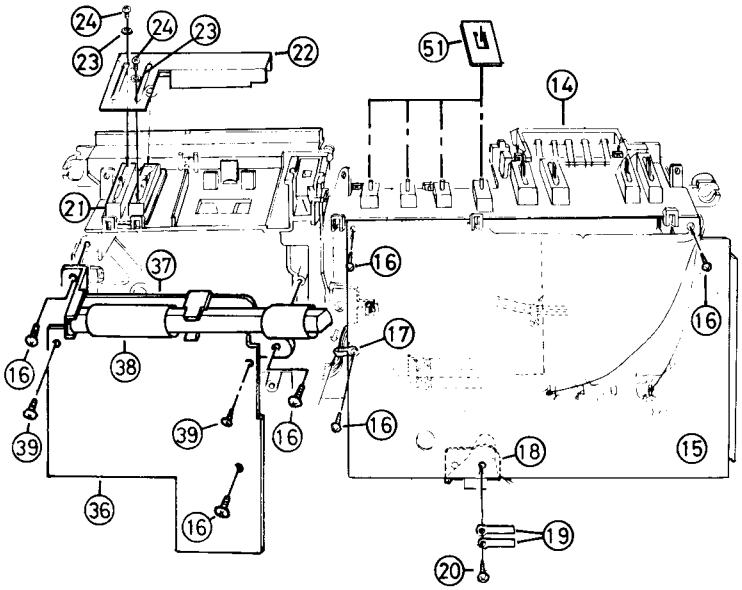


Fig. 33

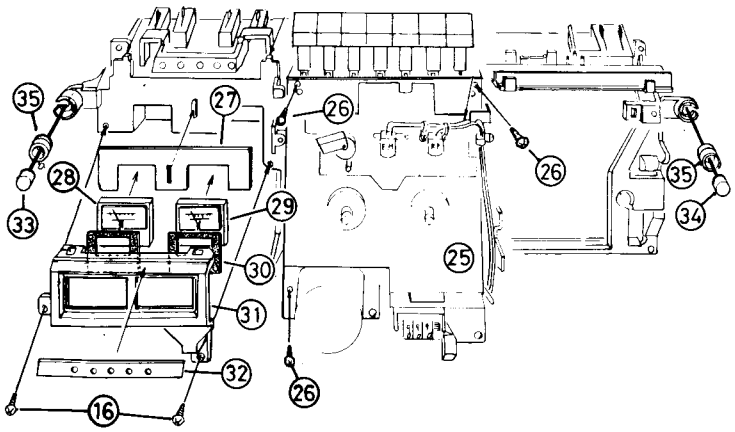


Fig. 34

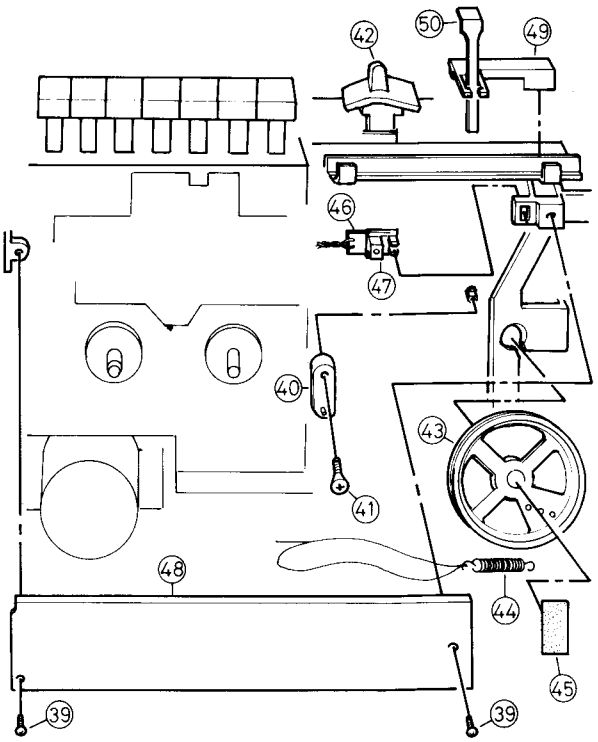


Fig. 35

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*VYH1101-002	Chassis Base		1
2	*VYH4002-001	Roller		4
3	RTA4008	Rivet		1
4	V42562-1	Special Washer		3
5	V41336-13	Tuning Shaft		1
6	REE3000	E-ring		1
7	*VYH3110-001	Record Lever		1
8	*VYH4136-001	Slider		1
9	*VYH4137-001	Connector		1
10	SBSB3012Z	Screw		1
11	*VXQ3006-001	Toggle Lever		1
12	V42603-003	Wire Clamp		1
13	VYSA1R4-041	Spacer	Glued	2
14	*————	Circuit Board Ass'y	Control	1
15	*————	〃	Amplifier	1
16	SBSB3010Z	Screw		9
17	V42603-003	Wire Clamp		1
18	VYH4140-001	Bracket		1
19	V42603-2	Wire Clamp		2
20	SBSB3008Z	Screw		1
21	*————	Circuit Board Ass'y	Recording Level	1
22	*VYH4183-00A	Shield Ass'y		1
23	WSB2000N	Washer		2
24	SPSP2004Z	Screw		2
25	*————	Cassette Mechanism Ass'y		1
26	SBSB3012C	Screw		3
27	*VYH4139-001	Spacer		1
28	*V03020-061	Indicator	IND 201	1
29	* 〃 -062	〃	IND 301	1
30	V44583-001	Indicator Rubber		2
31	*VJD3108-001	Indicator Holder		1
32	*VJD4120-001	Plate	Glued	1
33	VMME62N-012(A)	Condenser Microphone	ECM201	1
34	〃 -011(A)	〃	ECM301	1
35	*VYH4146-001	Microphone Bushing		2
36	*————	Circuit Board Ass'y	Tuner	1
37	*VYH3109-001	Bar Antenna Holder		1
38	VQB012B-006	Bar Antenna Ass'y	L10,11	1
39	SBSB3008Z	Screw		4
40	*VYH4135-002	Arm		1
41	SDSP2606Z	Screw		1
42	*VXQ4004-002	Toggle Lever		1
43	*VYH4134-001	Drum		1
44	50153-3	Spring		1
45	VYSA1R6-021	Spacer		1
46	*————	Circuit Board Ass'y	LED	1
47	*VYH4142-001	Holder		1
48	*VJK3105-002	Dial Scale		1
49	*VJN4005-001	Holder		1
50	*VJN4004-001	Needle		1
51	V45041-001	Blind		4
52	Q03091-138	Washer		1

Exploded View of Front Cabinet

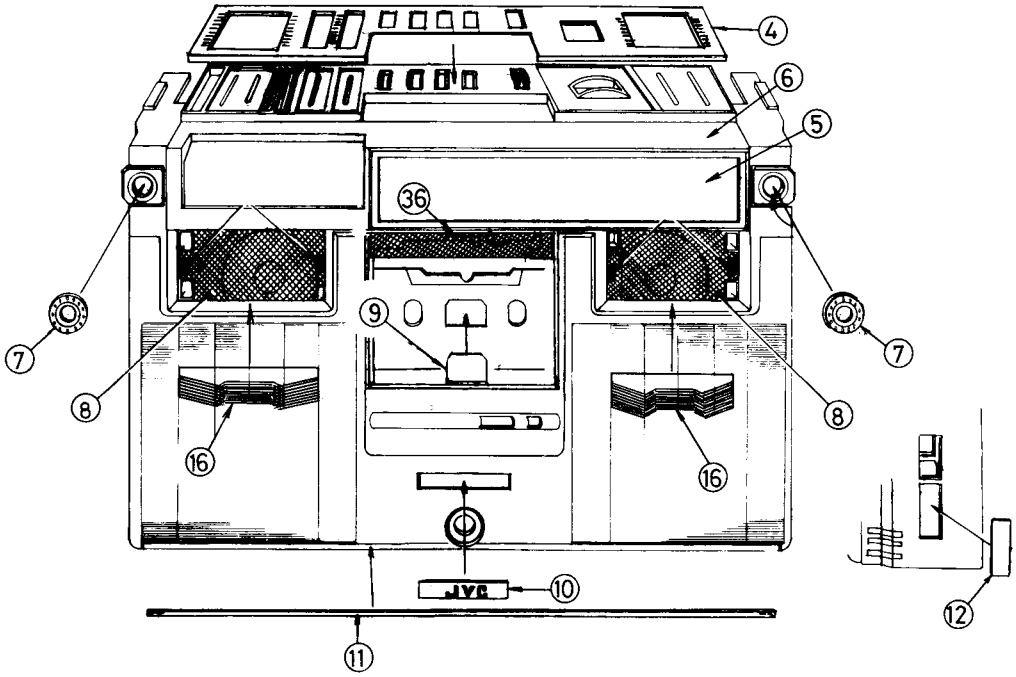


Fig. 36

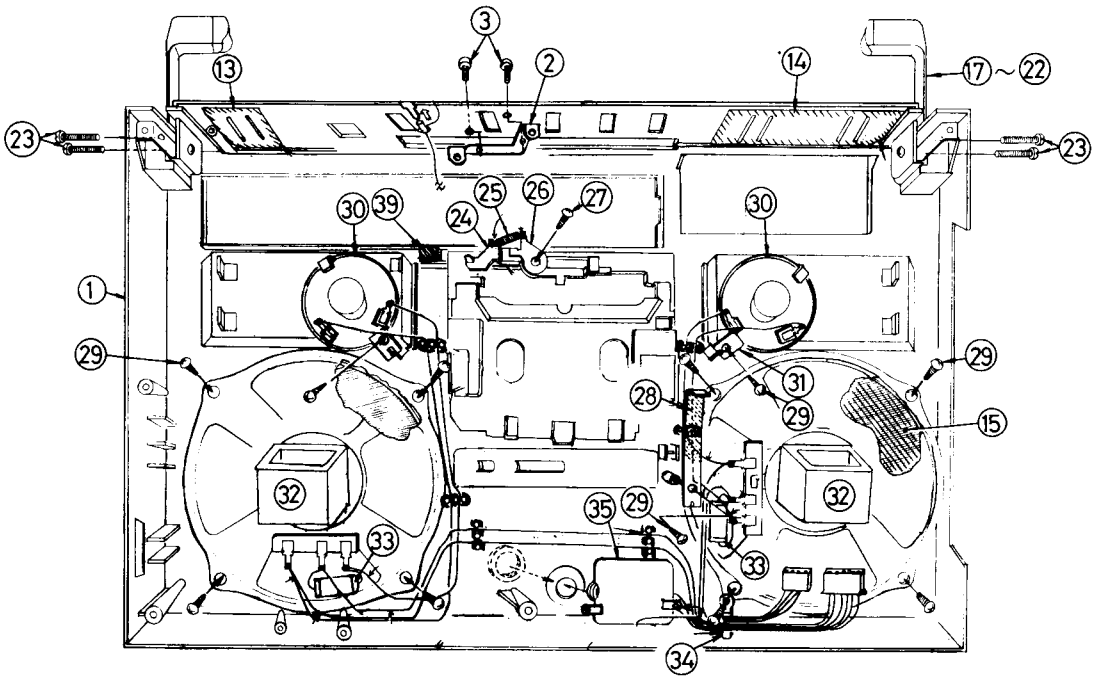


Fig. 37

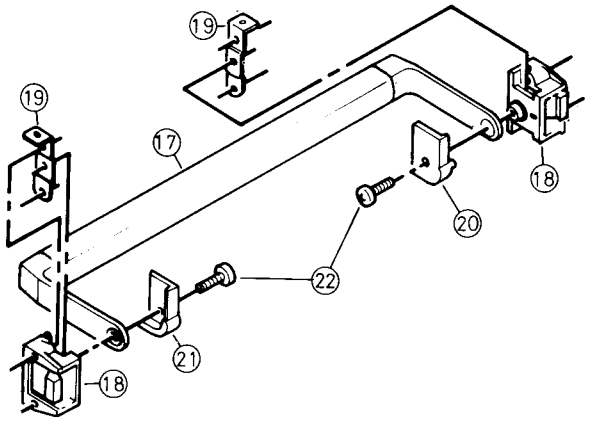


Fig. 38

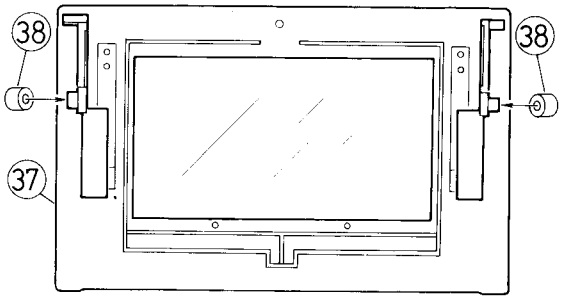


Fig. 39

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1~16,39	***ZCRC727L-CBF**	**Front Cabinet Ass'y**		**1**
1	*VJC1003-001	Front Cabinet		1
2	*VYH4141-001	Bracket		1
3	SPSP3006ZS	Screw		2
4	*VJD2106-005	Top Panel	Glued	1
5	*VJK3104-001	Dial Lens	〃	1
6	*VJD2107-001	Front Panel	〃	1
7	*VJD4119-001	Microphone Plate	〃	2
8	*VYTA408-001	Net	〃	2
9	V44957-001	Reflection Plate	〃	1
10	QXM2251-001	Mark Plate	〃	1
11	*VJD4118-001	Lower Fitting	〃	1
12	*VJD4003-001	Plate	〃	1
13	*VYTA405-001	Blind	〃	1
14	*VYTA404-001	〃	〃	1
15	47115-045	Net	〃	2
16	*VJD3106-001	Cellular Frame		2
17	*VJH3005-00A	Handle		1
18	V31131-001	Handle Supporter		2
19	V44883-001	Bracket		2
20	V44943-001	Washer (L)		1
21	V44944-001	〃 (R)		1
22	SPSP3014ZS	Screw		2
23	SDSP3018RS	〃		4
24	*VYH3108-001	Hook Lever		1
25	50153-008	Spring		1
26	*VYH4133-001	Hook Lever Washer		1
27	SBSB2606Z	Screw		1
28	V44772-002	Door Spring		1
29	SBSB3008Z	Screw		11
30	EAS5PH50SH	Speaker	Tweeter	2
31	T48216-001	Holder		2
32	EAS12P130S	Speaker	Woofer	2
33	QEN21EM-335	Non-polarized Electrolytic Capacitor	C235,335 (3.3μF/25V)	2
34	V42603-003	Wire Clamp		1
35	* ———	Circuit Board Ass'y	Headphone	1
36	*VJD3107-001	Head Cover		1
37	VJT3009-00A	Cassette Case		1
38	V41405-004	Rubber Ring		2
39	*VYSH106-026	Spacer	Glued	1

Exploded View of Rear Cabinet

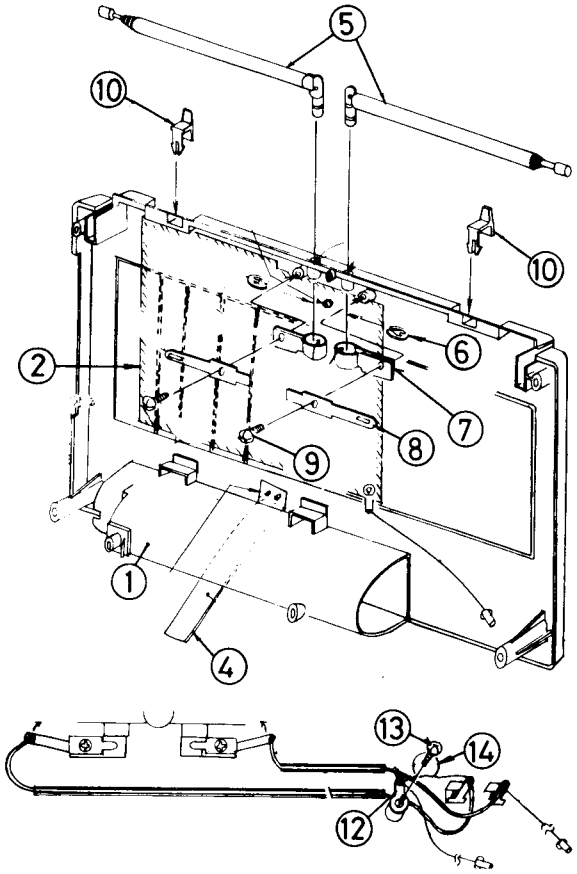


Fig. 40

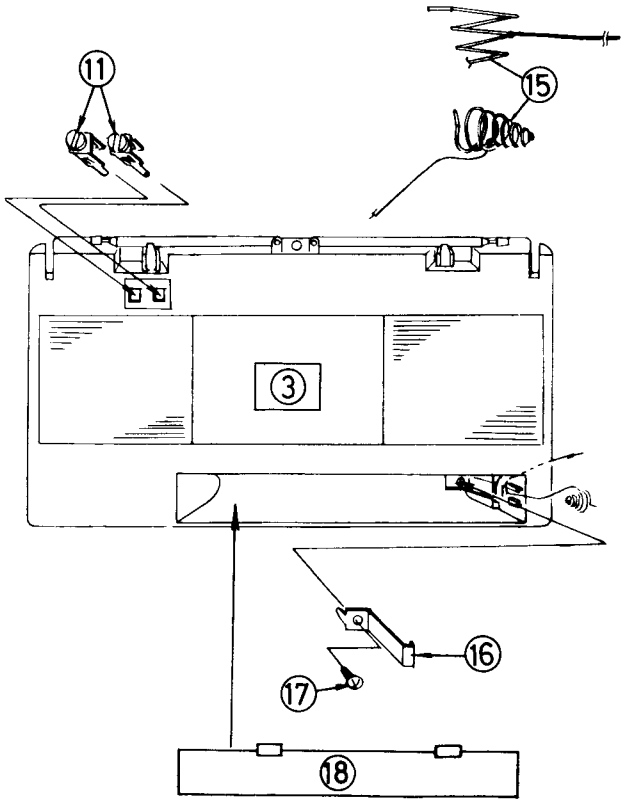


Fig. 41

Asterisked parts (*) show new parts

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1~4	*ZCRC727L-CBR	Rear Cabinet Ass'y		1
1	*VJC1004-001	Rear Cabinet		1
2	*VYH4145-00A	Shield	Glued	1
3	*VYN5037-002C	Name Plate	"	1
4	V41583-007	Tape	"	1
5	QZR4129-001	Rod Antenna		2
6	REE6000	E-ring		2
7	V50029-2	Rod Antenna Holder		2
8	V41208-003	Tab		2
9	SPSP2606Z	Screw		2
10	*VYH4138-001	Antenna Retainer		2
11	V44814-00B	Terminal		2
12	50242-2	Terminal Lug		1
13	SBSB3008Z	Screw		1
14	QCY41EK-103	Ceramic Capacitor	C501 (0.01μF, 25V)	1
15	53738-1	Spring		1
16	V42989-009	Contact		1
17	SBSB3008Z	Screw		1
18	*ZCRC727-BCA	Battery Cover Ass'y		1

Final Packing Ass'y

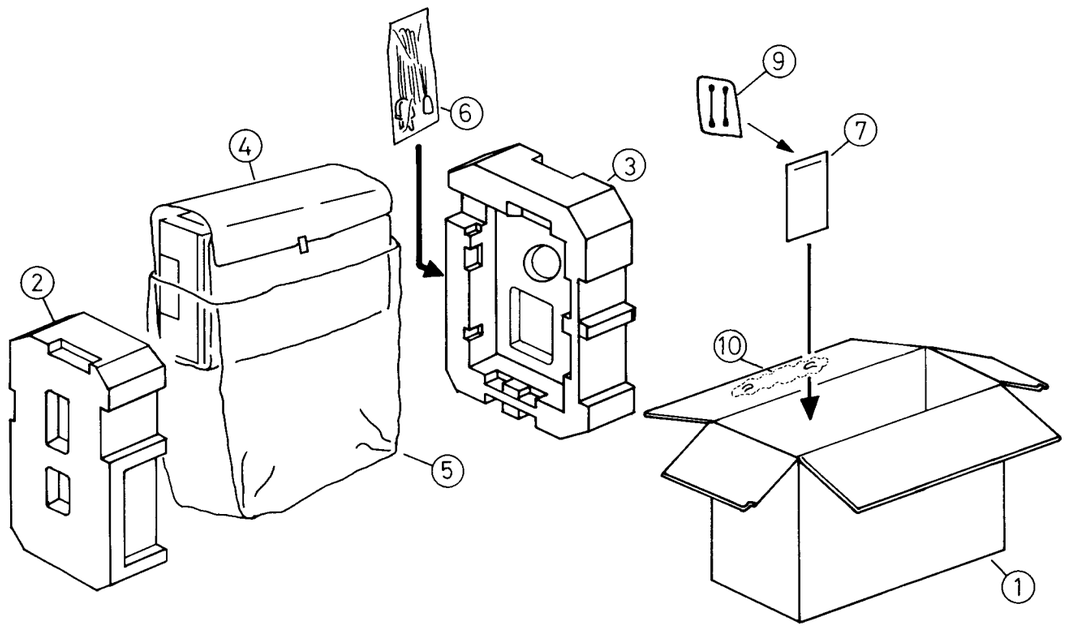


Fig. 42

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*VPA3002-016	Carton Box		1
2	*VPH1106-001	Side Cushion		1
3	*VPH1107-001	"		1
4	VHPJ109-039	Wrapping Paper		1
5	QPGA065-05005	Polyethylen Bag		1
6	QPGA012-02505	"	for Power Cord	1
7	QPGB024-03404	"	for Accessories	1
8			Blank No.	
9	QPGA012-01505	Polyethylen Bag	for Head Cleaning Stick	1
10	QPSC100-001	Curl Stopper		1

Accessories

Parts No.	Parts Name	Description	Q'ty
QMP3950-183	Power Cord		1
V43338-1	Head Cleaning Stick		2
VGT12S2-J03	Cassette Tape		1
*VNM0674-302	Instruction Book		1
VNC6301-001	Troubleshooting Chart		1
*VNF0674-001	Feature Sticker		1
TLT000429-01	Caution Card	for Head cleaning stick	1

Difference of Model RC-727LB

Difference Between RC-727LB and RC-727L is the power supply section.

Wiring Connection

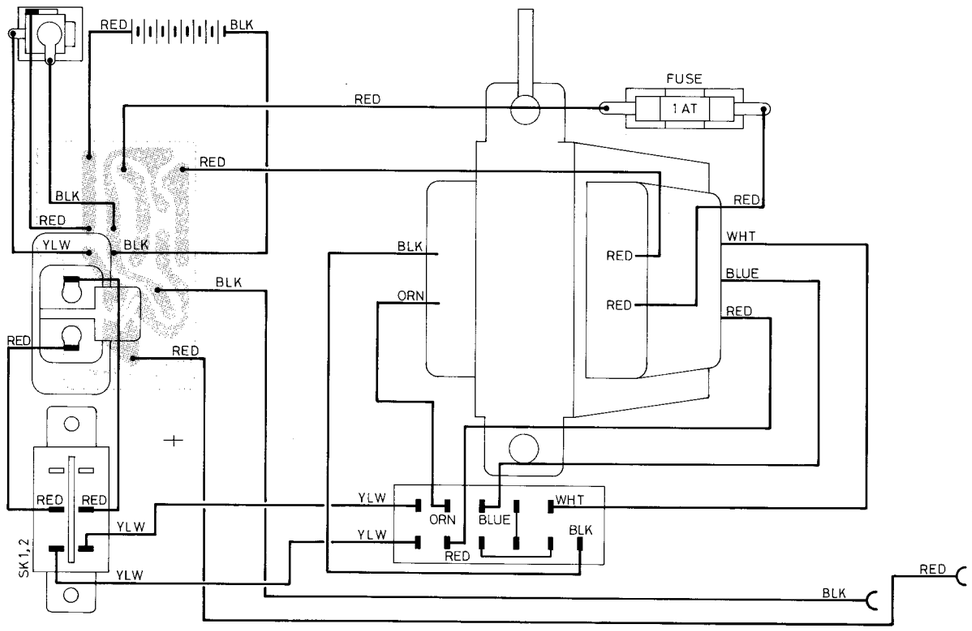


Fig. 43

Schematic Diagram of RC-727LB (Amplifier)

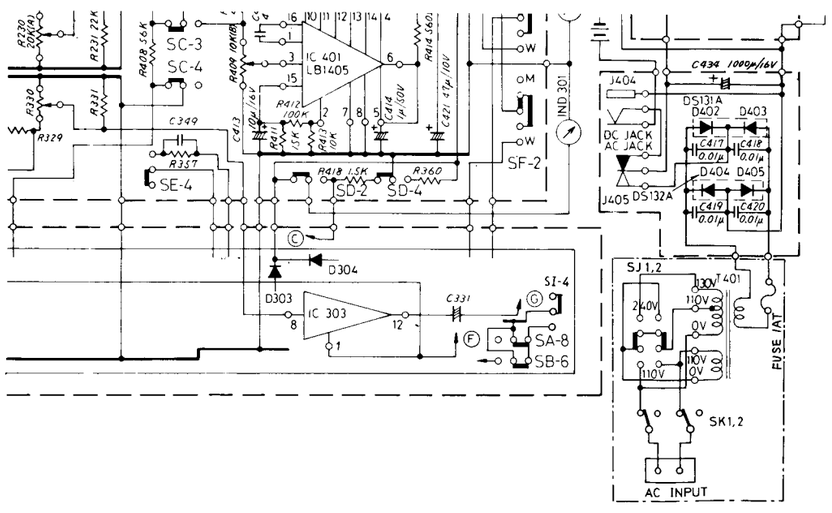


Fig. 44

Exploded View of Power Supply Ass'y

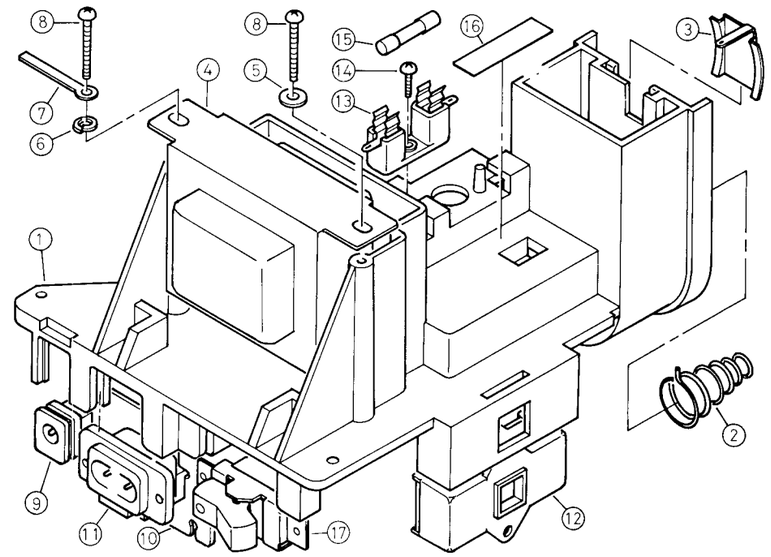


Fig. 45

Asterisked parts (*) show new parts

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*VYH2103-001	Chassis		1
2	53738-1	Battery Spring		1
3	T41240-002	Battery Contact		1
4	VTP54N2-12B	Power Transformer	⚠T401	1
5	Q03091-110	Washer		1
6	WLS4000	Lock Washer		1
7	V42603-2	Wire Clamp		1
8	SBSB3025Z	Screw		2
9	QMA1221-001	DC Jack Ass'y	J404	1
10	* ————	Circuit Board Ass'y	Power Supply	1
11	QMC0263-001	AC Socket Ass'y	⚠J405	1
12	QSS2325-005	Slide Switch	⚠SJ1~2 Line Voltage	1
13	QMG1321-002	Fuse Holder Ass'y	⚠	1
14	SPSB2608Z	Screw		1
15	QMF51A2-1R0	Fuse	⚠1AT	1
16	V42816-007	Fuse Label		1
17	*QSE2235-205	Seasaw Switch	⚠SK1~2 Power	1

Note:

1. **The parts marked ⚠ in the Description column are critical components for safety. Use the specified parts, when replacing the critical components, never use equivalent parts.**
2. **Wiring and fixing with screws should comply with the British Standard : BS 415.**
   1) **Wires which are connected to the terminals of primary parts : AC Socket, power switch, fuse holder and voltage selector should be fully wrapped around the terminals.**
   2) **The screws which are fixing the power transformer and fuse holder should be tightened with a torque up to 7kg.cm.**

Exploded View of Front Cabinet (Refer to pages 26 & 27)

Asterisked parts (*) show new parts

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1~16	*ZCRC727LB-CBF	Front Cabinet Ass'y		1
12			Deleted	

Exploded View of Rear Cabinet (Refer to page 28)

Asterisked parts (*) show new parts

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1~6	*ZCRC727LB-CBR	Rear Cabinet Ass'y		1
4	*VYN5037-003C	Name Plate	Glued	1

Accessories

Parts No.	Parts Name	Description	Q'ty
QMP9017-006	Power Cord	⚠	1
V43338-1	Head Cleaning Stick		2
VGT12S2-J03	Cassette Tape		1
*VNM0674-302	Instruction Book		1
VNC6301-001	Troubleshooting Chart		1
*VNF0674-001	Feature Sticker		1
TLT000429-01	Caution Card	for Head Cleaning Stick	1
BT20013B	Guarantee Certificate		1